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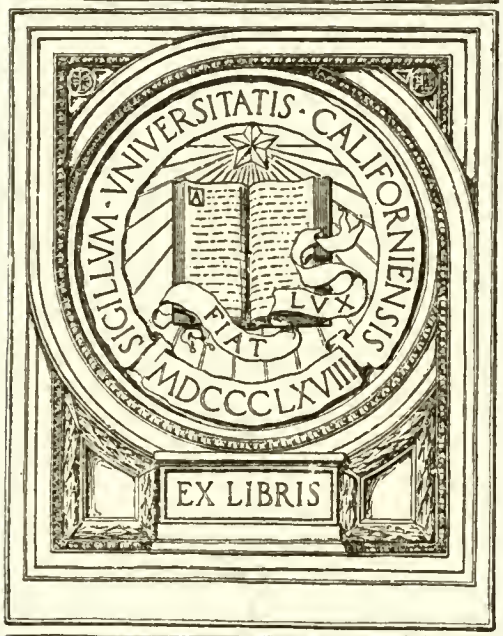
THE Mortality Experience OF THE Connecticut Mutual Life Insurance Company.

GIFT OF
Prof. C. C. Plehn



Carl C. Plehn
Berkeley. Cal.
Dec 11 1899

From Pres. J. L. Greene
Conn. Mutual Life.

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Mortality Experience

OF THE

CONNECTICUT MUTUAL

Life Insurance Company,

OF

HARTFORD, CONN.,

From 1846 to 1878.

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HARTFORD, CONN.,
1884.

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CALIFORNIA

CONNECTICUT MUTUAL LIFE INSURANCE COMPANY,

HARTFORD, August 31, 1883.

JACOB L. GREENE, *President*,

Dear Sir:

I submit herewith the results thus far deduced from the analysis of the mortality experience of this company. Some of these results are of very great interest and value. The facts are given in the tables submitted; the text is intended to call attention to the more important results, and as an explanation of the tables, rather than as a complete discussion of the facts.

You are already familiar with the general scope of the work. It was begun by your direction, and its general range has been determined in consultation with you. The clerical work has been done by those to whom it was intrusted cheerfully, carefully, and well. The value of the results obtained is an ample return for the care and labor involved in the undertaking.

Very respectfully,

D. H. WELLS, *Actuary.*

285377

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MORTALITY EXPERIENCE

OF THE

CONNECTICUT MUTUAL

Life Insurance Company.

The following results have been obtained by a careful analysis of the mortality experience of The Connecticut Mutual Life Insurance Company from the commencement of its business to the year 1878: the observations being carried to the anniversaries of the issue of each policy in that year, or to their termination if prior.

A brief statement of the methods employed will be of service in making clear the exact bearing of the results obtained, and the degree of confidence to which they are entitled. It will also be of interest as indicating any variations from the methods more commonly used.

Cards were prepared giving the number, amount, kind, date of issue, date of expiry, mode of expiry, and duration of each policy, the name, sex, residence, occupation, place of birth, date of birth, and age when insured of the person insured thereby, and the numbers of any other policies on the same life. In case of joint life policies a card was filled out for each life. In case of policies which had been reduced or increased, the amount of the insurance was divided and treated as if it had been given under separate policies, which had been terminated or issued at different times. If a policy was changed in plan, as from life to endowment, or the reverse, it was treated as if surrendered and a new policy issued.

The data for the cards were obtained, so far as therein contained, from the original applications. The date and mode of expiry were obtained from the company's registers. The age when insured,

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to the nearest year, was obtained by deducting the date of birth from the date of issue of the policy, and checked by comparison with the age as entered on the company's registers. The duration of the policy was obtained by a comparison of the dates of issue and expiry, if expired, and by subtracting the year of issue from 1878 if still in force. In case of policies which had expired by the death of the insured, any fraction of time in excess of whole years was counted as a year. In case of joint policies this was done only on the card representing the life deceased. In all other cases the duration was taken to the nearest year. In case of policies with premiums payable in fractional installments, which lapsed midway of the policy year, the half year was alternately added to and dropped from the duration. As the company, except in very rare instances, does not accept the surrender of a policy until after lapse, and as policy years were exclusively used and the observations on existing policies were carried to the anniversary of the policy, there were no other fractional parts of a year of any practical consequence to be provided for.

After the cards had been written, they were all carefully reviewed, both with the applications and registers. They were then classified, in the usual way, and the classes reviewed to guard against errors of classification. The cards of each class were then twice counted and the amount insured twice footed, and the results tabulated.

In order to obtain results by lives, both under different classes of policies and as a whole, all the cards were now grouped into six classes, the classification being by sex and kind, viz.:

1st. Premium-paying life and endowment policies, including policies paid up by term; 2d. Paid-up policies issued in lieu of policies surrendered; and 3d. Term policies.

The cards in each of these classes were then arranged by date of birth, and all those of the same date of birth carefully compared as to names. At the same time careful attention was given to the memoranda indicating other insurances on the same life.

If two or more cards were found in the same class representing policies upon the same life, if the policies were not connected in time

so as to make a continuous insurance, they were treated as if upon different lives; if they constituted a continuous insurance, the card was selected which carried the insurance to the latest date, and on this card were noted, in addition to the previous entries, the occupation as given on the other card or cards, the earliest date of entry and the corresponding age, and the duration, to the nearest year, of the entire continuous insurance. The cards so included in others were then thrown out.

The remaining cards representing policies of the three different classes upon lives of the same sex were next compared and combined in like manner, the additional entries being made in additional spaces. The cards thus included in others of a different class were then marked and replaced in their respective classes. In combining the cards representing policies of different classes, the insurance under a paid-up policy issued in lieu of a policy surrendered was treated as dating from the time the original policy ceased.

In thus comparing cards representing different policies on the same life, many cases were found in which the date of birth as stated in the different applications varied. If the life was still insured, inquiry was made by letter as to the correct date of birth, and the proper correction made. If no policy remained in force on the life, the date of birth as given in the application for the earliest policy was used in combining the cards.

The cards representing each class of policies were then distributed and the results tabulated. As always, the cards were carefully reviewed after being distributed in order to detect any error in distributing, and the tables were checked by a second counting of the cards. After these last results were tabulated, all cards marked as included in others were rejected, and the remaining cards representing policies on lives of the same sex were redistributed and the results tabulated without regard to class of policy.

The use of policy years instead of calendar years is believed to afford better facilities for the study of the question of selection, whether by the company at the inception of the contract, or by the insured in the after exercise of the option of continuing or discon-

tinuing it. It avoids also the disadvantage of dealing with a fraction of a year at the beginning of the observation, a fractional age at the beginning of the following calendar year, and a fraction of a year at the close of the discontinued insurances.

In the bringing together of cards representing insurance on the same life, the arrangement by dates of birth, instead of the usual alphabetical arrangement by names, was a great saving of labor, and it is believed contributed largely to accuracy; the indistinctness with which names are often written, and the unavoidable errors in copying such a number of them, together with changes, especially in names of females, making an alphabetical arrangement difficult and unsatisfactory. The addition of necessary changes on an existing card, instead of writing a new card or envelope, also saved much labor.

In the reduction of the observations, a series of checks was used which is believed to have rendered certain the detection of any error. A comparison of the results given in the accompanying tables shows a slight discrepancy between the table of male lives classified by occupation and the other tables of male lives. This discrepancy is due to some error in reclassifying the cards or recording the results by occupations, an error almost unavoidable in handling such a number of cards, and was so small that it was not considered worth while to attempt to correct it when discovered on footing and summarizing the tables. No other discrepancies are believed to exist, except such as arise inevitably from the use of a limited number of decimal places in the probable deaths and losses.

The analysis includes all policies issued prior to January 1, 1878, except 1420 small policies issued in lieu of cash dividends, which were omitted because they added no new lives, and being for small amounts would not have perceptibly varied the results by amounts.

As regards males, the observations included 97,790 lives, covering 780,353 years of exposure, with 8,746 deaths; 125,655 policies, covering 867,197 years of exposure, with 9,890 terminations by death; $354,902,195 of insurance, covering $2,482,744,335 of exposure, and a loss of $28,793,725 by death.

As regards females, there were included 7,452 lives, covering

62,680 years of insurance, with 756 deaths; 8,528 policies, covering 63,914 years of exposure, with 777 terminations by death; $17,575,404 of insurance, covering $131,962,559 of exposure, with a loss of $1,570,951 by death.

All cases in which anything was paid on account of a policy after the death of the insured, or in which suit was brought to enforce payment, are included among the deaths, and for the full amount of the policy.

Table I gives the observations on male lives in a form permitting of any desired combinations of ages or years of insurance.

Table II presents the same facts summed up (*a*) by groups of ages and of years of insurance, and (*b*) by years of insurance irrespective of age, with the addition of the probable deaths by the American Table and the ratio of the actual deaths to the probable deaths. We shall refer to this table again later.

Table III exhibits the mortality experience of the company as regards male lives, age by age, and gives, side by side with the actual deaths at each age, the probable deaths as determined by four of the most prominent mortality tables based upon insured lives: two American—the American Table and the Thirty American Offices' Table; and two English—the Combined Experience Table and the H^M. Table. A graphic representation of these tables and of the Company's experience, age by age, both as regards male and female lives, is given in Diagram I.

While this table exhibits at all the ordinary ages of insured life, say from 20 to 70, a very good degree of regularity in the death rate, the irregularities are sufficient to interfere seriously with any direct general comparisons, or the deduction of any exact general conclusions. In order to eliminate, in part, the irregularities which attach to the experience at individual ages, the results were combined in groups of five ages, and the results are given in Table IV. The ratio of the actual to the probable deaths by each of the four tables was also computed for each group of ages and added to the table. Inspection of the table shows that the mortality among the male lives insured by the company has been only 84.6 per cent. of that given by the American Table, 87.3 per cent. of that given by the Thirty

American Offices' Table, 77.8 per cent. of that given by the Combined Experience Table, and 80.0 per cent. of that given by the H^M. Table. Comparing the ratios for different groups of ages with the ratios of the totals, table by table, we find that the experience of the company runs more nearly parallel to the American Table than to either of the others; notably nearer than to the English Tables. Thus, the series of ratios obtained by comparing the actual mortality in these groups with the probable as given by the different tables, crosses the ratios of the totals by the same tables, in the case of the American Table, seven times; of the Thirty American Offices' Table, five times; of the Combined Experience Table and H^M. Table, twice each. Again, the arithmetical sum of the differences between the ratios of the totals and the ratios for the individual groups are in case of

	The American Table.	Thirty American Offices' Table.	Combined Experience Table.	H^M. Table.
For all ages, - -	1.226	1.540	1.550	2.301
Ages 26–90, - -	.555	.562	.586	.690
Ages 26–70, - -	.179	.294	.262	.421

The relation of the Company's experience, as given in Table IV, to each of these tables and also to the average (ratio of the total actual to the total tabular) mortality by each table is shown graphically in Diagram II. The tables are represented by the heavy horizontal lines taken as 100, and the average mortality by the parallel broken and dotted lines. The ratios of the actual to the tabular mortality by groups of ages are laid off on vertical lines, and the points so found connected by broken lines. The more nearly the broken lines so drawn approach towards coincidence with the broken and dotted lines, the more nearly the Company's experience approaches parallelism with the table.

The separate representations of the Company's experience as compared with each of the four tables, given in Diagram II, are superimposed and form Diagram III. The average mortality by each table successively was taken as 100, and the ratio of the actual to the tabular mortality by that table for each group of ages being increased in the same ratio, the

results were laid off as ordinates, and the points so found connected by distinctive broken lines. The nearer approach of the full broken line towards coincidence with the line representing the average mortality indicates the closer parallelism between the Company's experience and the American Table.

The published experience of the Mutual Life, and also of the Mutual Benefit Life, shows the same general result. Their mortality runs fairly parallel to the American Table, while the rate given by the English Tables is relatively much higher at the middle ages than at the extremes of the table. This seems to indicate a variation in the law of mortality as operating upon American and English insured lives.

The mortality of the group of ages 7–20, as shown by the table, is very heavy. The ratio of actual to expected for the following group, 21–25, is also greater than for any later group. This excessive mortality is partially accounted for by the mortality under term policies as exhibited in Table VII. If we deduct the actual and probable deaths under term policies, as given in Table VII, from the corresponding entries in Table IV, the ratio of actual to probable deaths by the American Table for ages 7–20 is reduced to 1.123, and for ages 21–25 to .859.

In addition to the causes operating upon term policies, which will be referred to later, there is a moral hazard in the insurance, under ordinary forms of policies, of lives which can, in general, have no present money value, in that there will naturally be a tendency to a selection against the company, which the most careful medical selection will scarcely wholly prevent. "Children's Endowment Policies," as issued by some companies, which provide only for the return of the premiums paid in case of death, avoid this hazard, but are not in any true sense life insurance policies, but only a method of accumulation.

The experience of the company, as regards male lives, runs so nearly paralled to the American Table, that for practical purposes comparisons with that table are preferable to comparisons with an adjusted table of the company's experience, and hence in all the fol-

lowing tables the American Table of Mortality has been taken as a standard of comparison.

Table XX gives the same facts, in part, as regards policies issued and amounts insured on male lives, as are given in Table IV regarding the lives. Comparing the two tables, we find the proportion of loss by policies to be slightly in excess of that by lives, and the loss by amounts to be somewhat larger still. The ratios of loss to exposure stand, for lives .01121; for policies .01141; for amounts .01157. In like manner the ratios of actual loss to the probable loss by the American Table stand, for lives .846; for policies .856; for amounts 879. Comparing the ratios of actual to probable loss by groups of ages, we find no very considerable variation between the ratios for lives and policies. The groups 7–20, 21–25, 41–45, and 86–90 give a slightly smaller ratio for policies than for lives; the remaining groups the reverse. The greatest differences are found in the groups 56–75, for which the average excess of the ratios for policies over the ratios for lives is .027.

The losses by amounts do not run so nearly parallel to the American Table as do the losses by lives and by policies. In this regard, as to amounts, there seems to be but very little choice between the four tables with which the losses by lives were compared.

Comparing the ratios of actual to probable loss for policies and amounts, we find the ratios for policies to be the greater for the first four groups, 7–35, notably so for the first two groups, 7–25, and the less for the following eight groups, 36–75. The excess of loss by amounts is especially noticeable for the ages 56–70, and is even more striking when we compare the losses by lives and amounts.

The ratios of loss to exposures for lives and for amounts are proportional to the ratios of the average amounts insured on the lives exposed and on the lives deceased. That is,

$$\frac{\text{Lives Deceased}}{\text{Lives Exposed}} \cdot \frac{\text{Amount Lost}}{\text{Amount Exposed}} \quad \cdot \cdot \quad \frac{\text{Amount Exposed}}{\text{Lives Exposed}} \cdot \frac{\text{Amount Lost.}}{\text{Lives Deceased.}}$$

The corresponding relation holds good as between lives and policies, and policies and amounts. The ratios of actual to probable loss are in the same proportion when only single ages are considered, or

groups of ages for which the same ratio of amounts to lives, policies to lives, or amounts to policies, as the case may be, holds for all the ages comprised in the group.

A comparison of the ratios of losses by lives and by amounts to the exposures, shows then at once that at certain ages an undue proportion of the deaths fell among those insured for smaller amounts, while at other ages the deaths fell largely among heavier insurers. For example, for ages 7–20 the average amount insured on each life exposed was $2,304.10, while on the lives deceased it was only $1,895.10; while for ages 66–70 the average amount insured on lives exposed was $2,827.67, while on lives deceased it was $3,248.65. That this could have been the result of a mere chance seems improbable when we consider the extent of the experience from which the results are deduced, and even more when we note the uniformity of the results age by age. Thus, comparing Tables III and XIX, we find that for ages under 30 the ratio of loss to exposure by lives exceeds that by amounts for sixteen ages, and is less for one age only; while for the fifteen ages, 56–70, the ratio of loss by amounts is in excess for fourteen ages, and less for only one age. A part of the difference at the early ages is due to the excessive death-rate under term policies, which were mostly for small amounts. The results at some other ages are affected by the losses under paid-up policies. If, however, we compare Tables V and XXI, which include only premium-paying life and endowment insurance, we shall still find considerable differences in the one direction for ages 7–25 and in the other direction for ages 56–75.

These results suggest the question whether those who insure for large amounts,—often, perhaps generally, men of good incomes and living well, but involved in the cares and burdened with the responsibilities of great business enterprises,—are more liable than other men to break down and die at about these latter ages.

Tables V, VI, and VII exhibit the mortality experience of the company as regards male lives insured under premium-paying life and endowment policies (including policies paid-up by term), paid-up policies issued in lieu of policies surrendered, and term policies, respectively

The deaths under premium-paying life and endowment policies were 84.4 per cent. of the expected deaths, the rate at the different ages running fairly parallel with the table. Compared with Table IV, the only striking variation is in the rate at ages 7–20 and 21–25, due to the exclusion of term policies as before pointed out. The results by policies and amounts, as given in Table XXI, do not differ materially, except as before noticed, from the results by lives.

Comparing the results as regards premium-paying life policies, Table XXII, with the results as regards premium-paying endowment policies, Table XXIII, we find a large difference in the ratios of actual to probable loss in favor of the endowments. As regards policies, the ratios are .870 and .607; as regards amounts, .893 and .635. This shows either a greater ability on the part of men apparently in good health and considered as desirable risks to estimate their own relative chances of life—a greater power of selection by the individual —than has generally been believed possible; or, otherwise, that those whose circumstances are such as to permit of the taking of endowment insurance have by far the best chance of long life.

The deaths under paid-up policies issued in lieu of policies surrendered were 80 per cent. of the expected deaths. The rate from 7–50 is 84.7 per cent., or slightly above that of premium-paying policies, as against 74 per cent. for the ages 51–85, indicating, perhaps, a more decided selection against the company at the older ages. The losses by policies and amounts, as given in Table XXIV, are 80.2 and 99.1 per cent. of the probable losses respectively. The loss by policies scarcely differs as a whole from the loss by lives. The greater loss by amounts, indicating that an undue proportion of the deaths fell among the holders of the larger paid-up policies, is probably due to the fact that the larger policies were more generally issued in lieu of limited premium life and endowment policies, and that, owing to the larger premiums, these policies were more often surrendered as a matter of necessity. Possibly the same cause may have contributed somewhat to produce the small ratio of loss under premium-paying endowment policies before noted.

The lower ratio of actual to probable deaths under paid-up poli-

cies as compared with premium-paying policies, indicates a selection against the company by the withdrawal of lives of more than average vitality; the greater ratio by amounts indicates an additional money loss due to the disproportional distribution of the deaths among large and small policies.

The ratio of actual to probable deaths among male lives insured under term policies, as shown by Table VII, is 1,745, or more than twice as great as among male lives insured under other forms of policies, or as a whole. This is due in great part to the fact that these policies were largely taken to cover special risks; especially on the lives of persons going to California to engage in gold-mining in 1849 and the years succeeding. The excessive mortality at the ages under 25, and especially under 20, is probably due to the immaturity of the lives and their consequent inability to endure the unusual strain put upon them. The same cause may also have operated to increase somewhat the mortality under premium-paying life and endowment policies, especially at the younger ages.

Table XXV exhibits the company's experience under term policies by policies and amounts. The ratio of actual to probable for amounts, 1.394, is considerably less than for lives and policies, but still very heavy, especially at the younger ages.

It does not follow from the high mortality experienced under term policies that the business resulted in a money loss to the company. The extra premium required for permits covering risks not covered by the policy contract, amounting in the year 1851 to over $38,000, and in the course of the company's business to over $500,000, a considerable share of which in the earlier years of the company's history was received from term policies, would probably more than offset the increased mortality. The table furnishes, however, a good illustration of the fact that there *are* special risks to be incurred under life insurance policies, and a warning against the folly of removing all restrictions upon such risks. Such risks, especially if temporary, always have sought and always will seek the cheapest insurance obtainable, and will gravitate to the company taking them at ordinary rates, rather than to a company charging a sufficient extra

premium; and quite possibly in sufficient numbers to cause serious loss. A careful analysis of the company's experience under policies involving special risks would have afforded very interesting and valuable results; but the labor involved was so great as to render such an investigation impracticable.

Turning now to the question of the effect of the duration of the insurance upon the mortality, Table II, including all male lives, and Table VIII, including only male lives insured under premium-paying life and endowment policies, tell essentially the same story. The ratio of actual to expected deaths for all ages for the five combined years of insurance, from the 6th to the 10th inclusive, exceeds the ratio of the subsequent years combined; and of these five years, the ratio for the 6th year of insurance is the greatest, it exceeding the ratio for each of the other years, except the 17th, 24th, 30th, 31st, and 32d. If we examine the groups of ages separately, we shall find that, in general, the ratios taken for groups of five years continue to increase to later years; the group 51–60 being an exception and having sufficient weight to determine the result in the summary of all ages. To elucidate this further the following table was prepared. It is deduced from Table II, including all male lives.

Ratio of actual to probable deaths by the American Table, for the years of insurance stated:

Ages at Death.	1-32	6-32	11-32	16-32	21-32	26-32
7-20	1.399	.493	.....	.....	.....	.....
21-30	.869	1.107	1.617	.....	.....	.....
31-40	.831	.914	1.010	.844	1.266	....
41-50	.841	.888	.925	.933	.908	.962
51-60	863	.870	.806	.870	.796	.762
61-70	.837	.856	.878	.877	.899	.786
71-80	.813	.814	.822	.846	.901	.959
81-90	.....	.....	.785	.750	.727	.629
All	.846	.880	.868	.872	.862	.815

The column headed 1–32 shows the ratios of actual to probable deaths for the whole thirty-two years of insurance combined; the next gives the ratios obtained after excluding the first five years of insurance; the third after excluding the first ten years of insurance; etc. It will be noted that, taking all ages together, the highest ratio is obtained after excluding the first five years only, although this is not true of single groups of ages.

Tables XXVI and XXVII, which show the losses by policies and amounts under premium-paying life and premium-paying endowment policies respectively by years of insurance, exhibit no new facts deserving of special attention. Combining the two and reducing the results to the form of the table for lives given above we obtain the following tables, which are interesting for purposes of comparison.

Ratio of actual to probable number of premium-paying life and endowment policies ceased by death for the years of insurance stated:

Ages at Death.	1-32	6-32	11-32	16-32	21-32	26-32
7-20	1.146	.575	.....	.....	.....	.....
21-30	822	1.199	1.732	.....	.....	.....
31-40	.830	.948	1.071	.895	1.316	.....
41-50	.834	.896	.919	.949	.943	1.014
51-60	.879	.905	.829	.881	.817	.807
61-70	.878	.908	.897	.908	.911	.779
71-80	.840	.842	.846	.861	.930	.942
81-90	.....	.....	.726	.692	.670	.624
All	.850	.909	.883	.889	.877	.817

Ratio of actual to probable losses by death under premium-paying life and endowment policies for the years of insurance stated:

Ages at Death.	1-32	6-32	11-32	16-32	21-32	26-32
7-20	1.069	.641	.....	.....	.....	.....
21-30	.812	1.288	2.077	.....	.....	.....
31-40	.847	.951	1.064	.706	1.550	.....
41-50	.852	.940	.964	1.052	.972	.928
51-60	.916	.941	.858	.955	.899	.848
61-70	.933	.987	.959	.973	1.012	.830
71-80	.833	.837	.853	.884	.976	1.014
81-90	.....	.....	.741	.716	.639	.649
All	.875	.951	.922	.954	.953	.868

Turning to Table IX, we find that in case of male lives insured under paid-up policies issued in lieu of policies surrendered, taken either as a whole or by groups of ages, (with a single exception,) the ratio of actual to probable deaths is greater for the first five years than for the remaining years. The single exception is the group of ages 51–60, for which the ratio for the first five years is .781 and for all years combined .783. The mortality as a whole is 80 per cent. of the probable mortality by the American Table, against a mortality of 84.4 per cent. in case of premium-paying policies, and decreases with the passing of each successive year of insurance until we reach the ninth year; the percentages obtained, first by including all years and then excluding successive years until we have excluded the first ten, being 80.0—79.4—78.9—78.0—72.2—70.9—64.1—54.8—53.6—60.2—27.4. The probable explanation of the greater mortality in the earlier years seems to be that while, as a whole, those who withdraw and take paid-up insurance are somewhat better lives than those who continue their insurance, a sufficient number of diseased lives also withdraw, from financial necessity or otherwise, to raise the mortality during the earlier years to nearly the average mortality under premium-paying policies: and that as these lives are weeded out

by death, the effect of the better lives becomes more and more apparent.

The ratios of actual to probable losses for policies and for amounts are also, as a whole, and, in general, for groups of ages, larger for the first five years of insurance than for the remaining years, as is shown by Table XXVIII. For all ages combined the ratios are:

Years of Insurance.	For Lives.	For Policies.	For Amounts.
1-5	.836	.833	1.018
6-10	.740	.741	.935
11-19	.274	.180	.074
All	.800	.802	.991

In Table X we note the heavy mortality under term policies at all ages and in all years of insurance, but particularly at the youngest ages and the first years of insurance. The ratio of actual to probable mortality for the ages 7–20 is 4.981 against 1.665 for the remaining ages, and 2.706 for the first year of insurance against 1.274 for the remaining years. The probable cause of this excessive mortality has been referred to. Like results are obtained for policies and for amounts, the losses by amounts being, however, less than by lives or policies, indicating that the losses fell heavily among the smaller policies.

Some of the most interesting and valuable results obtained in the course of the investigation are given in Tables XI and XII. Table XI exhibits the results obtained by classifying the male lives by the Country of their birth. Taking all ages together we find Natives to be the best risks, and the Irish the worst. Taking groups of ages there is great diversity. The most striking feature is the steady deterioration of the Germans with increasing age. From 21 to 70, by groups of ten ages, their record runs .636—.753—.973—1.237—1.283.

Table XII exhibits the mortality of male lives classified by occupation. The classification is not all that could be desired, principally owing to the indefiniteness with which the occupations were often given in the applications, especially in earlier years. Thus it would have been very desirable to subdivide class 19—Merchants—according to the nature of the business; but the application so generally gives the occupation merely as "Merchant" that such subdivision did not seem practicable. It is to be remembered, too, that the lives are selected lives, and the designation of the occupation will thus in some instances come to have a special or restricted meaning. Thus, often when the designation is one that ordinarily is applied indiscriminately to employers and employed, or officers and subordinates, it may well happen that the lives under observation are almost exclusively of the former class. As instances we might name "Lumbermen," "Liverymen," "Teamsters," and "Mariners." Changes of occupation will also have had some effect on the results obtained, though probably not great. So far as it has effect it will have tended to equalize the observed death-rates. The number of lives under observation was also in some instances too small to entitle the results to credit.

The classes of occupation have been arranged in the order of the excellence of the risks as measured by comparison with the American Table. From this is excepted the last two classes, which are composed of lives of no particular occupation, but quite miscellaneous. The low mortality of the last class (49), and the great average duration of the insurances and the large per cent. still existing, are due to the introduction of a large percentage of the years of exposure without any corresponding deaths or withdrawals, at the expense of the other classes.

The same table exhibits the average duration of the insurances, and the proportion of lives still insured, in each class. The following tables give the classes which have exceeded the average, either in the duration of the insurances or the per cent. remaining insured, arranged in the order of duration and per cent. existing:

Class.	Average duration of Insurance.	Per cent. remaining Insured.	Class.	Per cent. remaining Insured.	Average duration of Insurance.
7	9.74	61	10	67	8.32
8	9.03	51	1	67	5.83
5	8.92	37	7	61	9.74
19	8.64	56	38	59	6.74
3	8.59	53	16	58	8.01
18	8.57	53	27	58	7.74
23	8.48	57	23	57	8.48
17	8.35	51	19	56	8.64
25	8.34	46	4	56	7.99
10	8.32	67	36	54	7.82
14	8.21	41	11	54	7.48
16	8.01	58	18	53	8.57
4	7.99	56	3	53	8.59
			24	52	7.35

Of the thirteen classes in the first group and the fourteen classes in the second group, eight classes are found in both. Eleven classes of the first group and nine classes of the second group, including seven of the eight common to the two groups, show a mortality below the average. The seven classes which show a duration and a per cent. of existing in excess of the average, and a mortality below the average, are 3, 4, 7, 10, 16, 18, and 19.

The comparison in Table XII has been made between the actual deaths and the probable deaths by the American Table. It will be remembered that the experience of the company does not run precisely parallel to the table, the most noticeable variation being an excessive mortality at ages under twenty-five, and especially under twenty. The deaths for ages 7–20 are distributed among the classes of occupations as follows, the probable deaths being also given for comparison:

Class	3	Actual	deaths	1	Probable	deaths	.05
"	14	"	"	2	"	"	.32
"	19	"	"	2	"	"	1.43
"	20	"	"	9	"	"	2.79
"	21	"	"	1	"	"	.72

Class	22	Actual deaths	2	Probable deaths		.75
"	27	" "	13	"	"	11.71
"	43	" "	12	"	"	9.12
"	44	" "	2	"	"	.18
"	48	" "	7	"	"	3.21

Class 49 has no actual against 1.22 probable deaths. In no other class do the probable deaths amount to 1, and only in two cases to .50. These figures indicate that the cause which produced the excessive mortality at these ages was not limited to any particular occupation or class of occupations. Classes 20, 22, 42, 43, and 45 also show a high rate of mortality for the ages 21–30, although in case of the three latter classes a high rate is not confined to these ages. Table XIII, giving the actual and probable deaths by groups of ages for each class of occupation, will permit of such further study of the subject as may be desirable.

The same table will well illustrate the fallacy involved in a comparison of the average age at death of persons of different occupations, as a measure of the healthfulness of the occupation. As an extreme illustration we will compare classes 35 and 43. Of class 35, 35 per cent. of the actual and 47 per cent. of the probable deaths fall in ages 61–90; while of class 43, 78 per cent. of the actual and 75 per cent. of the probable deaths fall in ages 7–30. The average age at death of class 35 is 56.8 years; while the average age at death of class 43 is 25.8 years; and yet the ratios of actual to probable deaths is for class 35, .979, and for class 43, 1.172, a difference in no wise corresponding with the difference in average age at death.

If we take two classes of occupations of more nearly similar character, 19 and 27, we find the ratio of probable deaths of 27 to probable deaths of 19 to be: for ages 7–30, 1.03; for ages 31–40, .38; for ages 41–50, .21; for ages 51–60, .15; for ages 61–90, .14; indicating by the rapidly-decreasing ratio a great difference in the average ages of the lives of the two classes. A corresponding difference in the average age at death would indicate only a similar healthfulness of occupation.

Table XIV gives the exposures, deaths, and ratio of deaths to exposures, of female risks, age by age. Table XV gives the same facts for groups of ages and of years of insurance, and also for groups of ages without regard to years of insurance,—the latter being a summary of Table XIV,—and adds to this the probable deaths by the American Table and the ratio of actual to probable deaths. Table XVI gives like facts in like form as regards female lives insured under premium-paying life and endowment policies. These last two tables give essentially the same results. We note that the death-rate is practically uniform for the groups of ages 7–50, and that for the groups 7–45 it is largely in excess both of the death-rate for male lives and of the table rate, while for the groups 46–80 it is below the rate for male lives as well as the table rate. The ratio of actual to probable for the totals of each table is .945.

The Thirty American Offices Experience shows an excess in the death-rate of females as compared with males between ages 15 and 45, the rate for ages 25–50 being substantially uniform, a lower rate for females than for males for the ages 46–65, and a higher rate again at the older ages. Comparing the H^M and the H^F Tables we find similar variations. The death-rate under the H^F Table is, in general, the greater for ages 20–47 and the less for the ages 48–83, and increases but slightly between 25 and 50.

Comparing Tables XXX and XXXI our attention is drawn to the larger ratio of loss under life policies as compared with that under endowment policies. This is in large part due to the fact that there were no exposures under endowment policies at ages beyond 65, and no losses at ages beyond 50. For younger ages we have the following ratios of loss to exposure for the two classes of policies:

Ages.	Life Policies.		Endowment Policies.	
	For Policies.	For Amounts.	For Policies.	For Amounts.
Under 36	.01057	.01004	.00995	.01047
36-50	.01089	.01066	.00433	.00377

The ratios of losses for the totals of the two tables combined is, for policies .01213 and for amounts .01182, while that for lives insured under the same policies is .01211. The losses by amounts were slightly less than by lives in case of females, while in case of males the reverse was true.

Tables XVII and XXXII exhibit the experience of the company on paid-up policies issued on female lives in lieu of policies surrendered. The ratios of losses to exposures were, for lives, .01173, for policies, .01194, for amounts, .01204. The ratio of loss to exposure for lives was greater for the first five years of insurance than for all years combined, notwithstanding the younger ages at exposure in the first five years. The ratio of actual to probable loss by the American Table was .941, or about the same as for premium-paying policies.

Tables XVIII and XXXIII exhibit the experience of the company on term policies on female lives. The ratios of losses to exposures were, for lives .01521, for policies .01705, and for amounts .02654. The losses by amounts were greater than by lives, while for male lives the reverse was true. The ratio of actual to probable losses by lives is 1.581.

Tables XXXIV and XXXV present the facts regarding the discontinuance of Premium-paying Life and Premium-paying Endowment Policies respectively, on male lives. The first fact which attracts attention is the rapid and regular decrease in the ratio of withdrawals as the age of the business increases. Of the $156,069,382 of premium-paying insurance lost otherwise than by the natural termination of the contract by death or expiry, $45,291,565, or 29 per cent., terminated after one year, $120,096,220, or 77 per cent., within the first five years, and $148,200,053, or 95 per cent., within the first ten years. These figures will be somewhat modified in the future, but they show very forcibly the fact that withdrawals are mostly confined to the earlier years of insurance. We note also that the loss is greatest in case of policies issued at the youngest ages, and decreases as the age at issue increases; also that the per cent. of withdrawals in case of endowment policies exceeds that in case of life policies, both as a whole and for each year of insurance, from the second to the thirteenth

inclusive. For the first year of insurance the withdrawals of life policies exceed. Beyond the thirteenth year of insurance there have been but very few endowment policies exposed, and only one withdrawal.

Tables XXXVI and XXXVII give the per cent. discontinued of Premium-paying Life and Endowment Policies, each kind being divided into three divisions by date of issue, viz.: those issued prior to 1865, from 1865 to 1869 inclusive, and from 1870 to 1877 inclusive. Comparing the tables we find that the loss of business by withdrawals increases with the later date of issue, and this not merely as a whole, which would be expected, but for the same years of insurance as well. A part of this increase is probably due to the greater competition for new business, resulting in the insuring of many who are unable or unwilling to continue the insurance, and in the inducements which are too often held out by unscrupulous solicitors to incite policy-holders in one company to exchange their policies for new ones in some other company. A large part of the increase of fifty per cent. in the discontinuances in the first year as between policies issued in 1846–1864 and those issued in 1870–1877, is to be thus accounted for. Another considerable cause is found in the doing away with the absolute forfeiture of lapsed policies, and the payment of equitable surrender values. The operation of this cause is abundantly illustrated in the increase of withdrawals at the end of the second year from two to eleven per cent., as between endowment policies issued in 1846–1864 and 1865–1869. Other causes are to be found in the distrust of life insurance caused by the failure of many speculative companies organized in the flush times following the war, and in the financial conditions of the times.

TABLE I.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	First Year.		Second Year.		Third Year.		Fourth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
7-10	11		2		1		1		7-10
11	4		7		1				11
12	9		4		7		1		12
13	18	1	9		3		7		13
14	72	1	15		9		3		14
15	96	1	61		13		9		15
16	122	1	78	1	58		12		16
17	222	4	103		69		54	1	17
18	294	3	173	1	96	1	59		18
19	519	9	213	1	153	5	87	2	19
20	831	11	385	4	197		134	1	20
21	1,390	17	641	2	328	2	181	1	21
22	1,761	8	1,038	16	547	1	297	3	22
23	2,177	12	1,322	9	864	7	489	5	33
24	2,550	22	1,659	8	1,117	9	764	6	24
25	2,944	20	1,983	19	1,443	7	977	9	25
26	3,169	22	2,286	10	1,694	12	1,292	10	26
27	3,505	22	2,495	21	2,005	10	1,526	13	27
28	3,788	24	2,749	13	2,160	8	1,791	13	28
29	3,988	21	3,033	23	2,411	21	1,930	16	29
30	4,141	26	3,235	9	2,656	12	2,164	9	30
31	3,922	14	3,356	25	2,858	19	2,399	21	31
32	4,184	25	3,190	18	2,972	21	2,552	12	32
33	4,250	27	3,446	21	2,835	21	2,692	20	33
34	4,016	22	3,508	30	3,062	26	2,600	19	34
35	3,943	18	3,290	9	3,136	25	2,810	24	35
36	3,864	29	3,250	25	2,945	16	2,856	21	36
37	3,569	18	3,219	23	2,934	17	2,721	17	37
38	3,546	24	2,969	31	2,904	19	2,682	20	38
39	3,319	22	2,934	29	2,658	23	2,652	25	39
40	3,321	21	2,730	16	2,638	26	2,429	23	40
41	2,923	22	2,770	18	2,471	17	2,424	23	41
42	2,744	32	2,450	14	2,497	23	2,269	18	42
43	2,489	18	2,300	21	2,205	17	2,295	35	43
44	2,397	21	2,102	12	2,091	14	2,042	13	44
45	2,233	11	2,015	20	1,899	12	1,915	13	45

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	First Year.		Second Year.		Third Year.		Fourth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
46	2,100	11	1,879	20	1,820	18	1,760	17	46
47	1,806	13	1,789	17	1,697	18	1,675	15	47
48	1,699	14	1,528	17	1,616	15	1,584	23	48
49	1,449	12	1,440	10	1,382	14	1,489	18	49
50	1,360	15	1,257	12	1,308	10	1,282	8	50
51	1,073	9	1,141	22	1,147	10	1,203	15	51
52	1,105	10	913	13	1,028	10	1,062	10	52
53	875	10	927	12	823	6	948	11	53
54	719	17	757	10	835	15	765	13	54
55	649	11	598	19	668	8	767	9	55
56	583	10	555	9	528	9	617	8	56
57	471	12	482	6	504	10	485	6	57
58	399	5	382	3	446	9	463	10	58
59	335	6	342	12	351	12	410	10	59
60	310	13	289	7	306	5	319	7	60
61	172	4	263	5	269	4	282	12	61
62	108	3	143	2	242	6	253	2	62
63	89	2	92	3	129	2	221	4	63
64	77	1	77	2	82	3	121	5	64
65	47	2	66	1	68	2	73	2	65
66	11	1	39	1	60	2	63	2	66
67	7		10		33		53	1	67
68	8		6		9		30	2	68
69	2		7		6		8		69
70	2		2		6		5		70
71	1		1		2		6		71
72			1		1		2		72
73	1				1		1		73
74			1				1		74
75	1				1				75
76			1	1			1		76
Total,	97,790	730	80,008	653	71,305	579	65,065	603	Total.

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Fifth Year.		Sixth Year.		Seventh Year.		Eighth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
11									11
12									12
13	1								13
14	7		1						14
15	3		6		1				15
16	9		3		6		1		16
17	11	1	9		3		5		17
18	53		9		8		2		18
19	57		51		9	1	8		19
20	82	1	53		50		7		20
21	123	1	74	1	53	1	46		21
22	170	1	112	1	66		45	1	22
23	270	5	154	1	105	3	63	1	23
24	445	3	240	3	134	1	97	1	24
25	683	6	395	3	222	2	117		25
26	886	5	604	5	362	6	196		26
27	1,151	13	812	2	541	6	310	2	27
28	1,374	10	1,054	9	733	5	467	8	28
29	1,601	13	1,246	12	945	11	643	6	29
30	1,736	16	1,456	15	1,142	8	819	3	30
31	1,973	19	1,587	8	1,348	5	1,017	3	31
32	2,170	20	1,799	15	1,474	11	1,205	10	32
33	2,310	14	2,010	20	1,662	15	1,329	13	33
34	2,480	12	2,152	17	1,865	20	1,512	8	34
35	2,380	21	2,302	23	1,991	10	1,709	20	35
36	2,573	16	2,179	18	2,128	19	1,808	9	36
37	2,609	20	2,414	28	2,033	17	1,950	12	37
38	2,478	16	2,438	14	2,251	17	1,847	13	38
39	2,452	19	2,315	21	2,304	21	2,087	22	39
40	2,420	22	2,290	30	2,161	27	2,129	16	40
41	2,231	15	2,265	18	2,140	11	1,983	14	41
42	2,223	16	2,092	24	2,131	16	1,976	16	42
43	2,081	17	2,076	22	1,959	21	1,972	21	43
44	2,103	25	1,943	17	1,951	21	1,785	14	44
45	1,882	14	1,981	18	1,822	18	1,814	14	45

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Fifth Year.		Sixth Year.		Seventh Year.		Eighth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
46	1,772	18	1,757	16	1,854	21	1,691	16	46
47	1,643	17	1,652	16	1,643	16	1,722	19	47
48	1,559	20	1,549	23	1,535	16	1,523	17	48
49	1,462	11	1,442	16	1,437	14	1,432	18	49
50	1,363	17	1,387	17	1,346	8	1,336	15	50
51	1,195	13	1,272	18	1,293	27	1,264	24	51
52	1,131	18	1,135	12	1,188	16	1,181	17	52
53	993	8	1,050	18	1,059	17	1,092	20	53
54	887	8	937	13	981	12	982	21	54
55	701	13	836	14	889	10	914	19	55
56	714	12	648	18	797	16	818	13	56
57	579	9	660	13	597	9	738	15	57
58	448	13	543	7	614	10	556	11	58
59	432	11	421	9	519	10	571	9	59
60	376	9	406	16	391	12	482	17	60
61	297	8	351	3	370	5	355	2	61
62	258	3	273	7	334	6	341	11	62
63	239	4	239	9	252	9	310	9	63
64	208	9	233	10	220	13	230	5	64
65	108	2	195	4	220	5	192	6	65
66	62	2	103	3	182	8	203	7	66
67	60	1	58	3	96	2	164	3	67
68	42		51	1	52	1	87	3	68
69	24		41	1	47	2	48	3	69
70	8	2	21	2	38		40	2	70
71	5		6	2	16	2	32	3	71
72	6	1	5		4		8		72
73	2		5		5		4		73
74	1		2		5		5		74
75	1		1		2		5	1	75
76			1		1		2		76
77	1				1		1		77
78			1	1					78
Total,	59,604	570	55,403	617	51,588	560	47,278	533	Total.

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Ninth Year.		Tenth Year.		Eleventh Year.		Twelfth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
16									16
17	1								17
18	5		1						18
19	2		5		1				19
20	7		2		4		1		20
21	6		6		1		2		21
22	43		5		4		1		22
23	40		41		3	1	3		23
24	58		37		36		1		24
25	81		52	1	27		27		25
26	101	3	73	1	37		24		26
27	170	1	87	2	58	1	31		27
28	263	3	152	2	68	1	46		28
29	410	6	231		121	2	44		29
30	546	5	348	1	184	4	92	1	30
31	710	4	483	4	280	3	130	2	31
32	906	8	614	8	388	4	204	1	32
33	1,048	11	805	6	504	3	298	3	33
34	1,158	6	941	4	676	7	382		34
35	1,365	13	1,042	12	806	6	553	4	35
36	1,533	11	1,226	8	895	5	634	7	36
37	1,646	10	1,390	13	1,069	13	723	6	37
38	1,754	13	1,478	9	1,204	11	871	5	38
39	1,701	13	1,609	10	1,282	10	989	10	39
40	1,917	9	1,558	13	1,381	14	1,061	7	40
41	1,946	11	1,774	9	1,359	16	1,137	12	41
42	1,832	22	1,801	20	1,582	12	1,135	8	42
43	1,814	23	1,681	12	1,554	16	1,334	11	43
44	1,789	23	1,640	11	1,463	10	1,292	14	44
45	1,643	15	1,643	20	1,409	24	1,185	13	45
46	1,690	17	1,510	22	1,422	16	1,161	10	46
47	1,555	24	1,544	18	1,311	12	1,179	16	47
48	1,571	12	1,428	11	1,344	10	1,077	16	48
49	1,403	12	1,433	13	1,248	11	1,096	11	49
50	1,319	15	1,276	16	1,214	17	1,006	17	50

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Ninth Year.		Tenth Year.		Eleventh Year.		Twelfth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
51	1,248	18	1,205	26	1,097	7	973	10	51
52	1,163	26	1,148	18	1,045	10	930	8	52
53	1,093	20	1,056	16	1,001	17	852	14	53
54	1,015	17	1,001	16	928	15	806	8	54
55	897	12	924	14	857	11	739	14	55
56	822	21	814	12	799	11	693	10	56
57	758	14	754	10	681	16	666	8	57
58	659	15	682	17	637	7	534	11	58
59	509	6	575	12	567	13	505	10	59
60	523	10	460	8	474	9	448	11	60
61	438	19	471	13	386	7	368	13	61
62	325	11	386	8	385	12	307	8	62
63	317	11	287	5	330	12	313	5	63
64	280	10	279	11	246	6	261	8	64
65	216	6	243	7	229	6	192	7	65
66	172	4	195	4	189	4	182	10	66
67	187	8	152	7	155	7	145	8	67
68	153	9	164	8	116	2	118	4	68
69	69	2	129	6	140	7	83	6	69
70	40	1	64	4	101	3	106	7	70
71	32	2	32		54	3	78	2	71
72	27	1	27		27	5	36		72
73	7	1	24	2	25	1	14		73
74	4		6		22	1	20	1	74
75	4		4		5		18	1	75
76	4		4	1	4	1	5		76
77	2		4		3		3		77
78	1		1		4		3		78
79			1				3		79
80					1				80
81							1		81
Total,	42,998	534	39,008	471	33,443	422	27,121	358	Total.

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Thirteenth Year.		Fourteenth Year.		Fifteenth Year.		Sixteenth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
21	1								21
22	2		1						22
23	1		1		1				23
24	3		1		1		1		24
25	1		2		1		1		25
26	16		1		2	1	1		26
27	18		10	1	1				27
28	23	1	8		7		1		28
29	32		12	1	7		5		29
30	21		18		9		7		30
31	60		12		10		9		31
32	81	2	37	1	7		8		32
33	140		55	2	27		7		33
34	216	4	99	1	34		20		34
35	281	2	148	3	72	3	30		35
36	394	3	207	1	109	1	49		36
37	469	4	294	3	146		84	1	37
38	552	5	338	4	219	6	118		38
39	657	4	422	6	244	5	164	1	39
40	748	10	498	7	312	4	189	3	40
41	813	9	571	5	353	5	238	1	41
42	885	9	609	8	418	2	259	3	42
43	902	7	657	5	452	4	323	3	43
44	1,056	10	698	6	464	1	335	2	44
45	1,012	12	812	12	493	7	328	5	45
46	921	12	767	14	603	8	364	5	46
47	922	9	690	4	564	7	459	8	47
48	905	8	721	9	508	4	438	8	48
49	834	11	692	8	521	7	397	6	49
50	823	8	622	6	516	4	401	3	50
51	731	9	622	5	453	3	370	5	51
52	718	6	559	7	463	6	342	6	52
53	701	6	550	13	397	4	350	1	53
54	644	3	545	5	403	8	302	2	54
55	582	7	482	8	394	5	301	8	55

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Thirteenth Year.		Fourteenth Year.		Fifteenth Year.		Sixteenth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
56	555	4	457	5	351	3	293	11	56
57	542	13	438	6	333	3	257	7	57
58	506	11	406	8	309	7	236	1	58
59	396	10	367	9	286	5	246	5	59
60	367	3	282	6	237	5	203	4	60
61	332	8	280	5	196	7	165	3	61
62	265	10	240	8	219	4	137	6	62
63	232	6	205	3	153	3	155	6	63
64	242	6	171	6	144	6	119	8	64
65	185	11	183	8	126	10	97	5	65
66	133	8	131	7	128	3	86	2	66
67	128	2	90	1	91	9	82	3	67
68	98	4	88	2	64	4	65	3	68
69	96	3	70	5	55	2	39	3	69
70	61	4	73	3	46	2	32		70
71	73	5	43	1	53	3	25	3	71
72	61	3	51	2	30	2	35	1	72
73	27	1	41	2	35	2	17		73
74	10		17	4	29		25		74
75	13	1	8		8		20		75
76	13	3	9		7	2	8		76
77	4		8		7	1	5		77
78	3	2	4		5	1	5		78
79	3	1			3	1	4		79
80	2		2				2		80
81			2	1	2	1			81
82	1				1		1		82
83			1				1		83
84					1	1			84
85									85
Total.	20,513	280	15,428	237	11,130	182	8,261	142	Total,

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Seventeenth Year.		Eighteenth Year.		Nineteenth Year.		Twentieth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
26	1								26
27	1		1						27
28			1		1				28
29	1				1		1		29
30	5		1				1		30
31	7		5		1				31
32	8		7		4		1		32
33	6		6		6		4		33
34	6		6		6	1	6		34
35	17	1	6		5		5		35
36	24		16		5		5		36
37	38		23		16		5		37
38	69		31		21		12	1	38
39	103	1	61		30	1	20		39
40	145	1	94	1	52		25		40
41	166	1	131	1	81	1	47		41
42	211	2	158	2	120	2	71		42
43	232	1	192	4	136	2	108		43
44	285	5	210	2	171		122	2	44
45	302	2	253	2	175	2	155	1	45
46	297	2	265	2	225	5	165	1	46
47	322	6	268	1	225	3	197	1	47
48	404	7	298	2	246	2	195		48
49	374	5	363	2	258	4	219	2	49
50	335	4	337	7	334	6	231	1	50
51	361	9	308	3	288	5	302	3	51
52	326	11	334	2	278	6	262	4	52
53	302	7	292	5	298	8	249	2	53
54	313	12	273	5	250	2	264	2	54
55	271	4	271	3	230	6	233	2	55
56	263	5	238	8	234	2	201	2	56
57	244	6	244	7	212	4	213	4	57
58	216	7	212	2	215	5	190	6	58
59	205	7	194	1	184	3	186	1	59
60	210	4	178	2	168	3	163	3	60

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Seventeenth Year.		Eighteenth Year.		Nineteenth Year.		Twentieth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
61	178	7	186	3	157	2	152	4	61
62	136	4	151	2	155	4	144	6	62
63	116	3	123	5	136	3	139	5	63
64	131	2	102	2	110	5	124	4	64
65	92	4	117	1	88	3	94	6	65
66	85	6	83	4	97	3	79	1	66
67	67	3	73	2	70	2	83	4	67
68	70	3	58	1	64		60	4	68
69	55	2	64	3	48	1	54	3	69
70	36		48	1	53	3	40		70
71	26	1	34	3	42	1	45	2	71
72	19	2	22	1	27	1	38	2	72
73	30		17		15	1	26	1	73
74	16		27	1	17	2	13		74
75	22	2	16		24	3	15	2	75
76	18	2	18		13	1	21	4	76
77	8	2	15	2	12	2	10	1	77
78	5		6	2	11		10	1	78
79	5		5	1	4	1	8	1	79
80	4		4	1	4		3		80
81	2	1	4	1	2		4		81
82			1		3	1	2		82
83	1	1			1		2	1	83
84	1						1		84
85			1						85
86					1				86
87							1		87
88									88
89									89
90									90
Total.	7,193	155	6,452	100	5,630	112	5,026	90	Total.

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Twenty-First Year.		Twenty-Second Year.		Twenty-Third Year.		Twenty-Fourth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
30	1								30
31	1		1						31
32			1		1				32
33	1				1		1		33
34	4		1				1		34
35	6		4		1				35
36	4		6		4		1		36
37	5		3		6		4		37
38	5		5		3		6		38
39	10	1	5		5		3		39
40	19		9		5		5	1	40
41	20		17		9		5		41
42	44		19		17		9		42
43	65	2	43		18	1	14	1	43
44	99		62	1	35		15		44
45	111	1	92	1	52	1	33	1	45
46	149	3	105	3	86		43	1	46
47	151		136	1	93	1	75	2	47
48	188	2	143	5	125		86	1	48
49	181	4	182	2	132	3	114	1	49
50	199	1	170	1	169	1	119		50
51	207	5	188	2	161	2	161	2	51
52	280	6	198	2	175	3	154	1	52
53	245	3	261	6	189	1	166		53
54	233	5	230	5	233	2	180	4	54
55	247	4	210	5	218	4	219	6	55
56	215	2	236	3	197		201	4	56
57	179	2	206	2	230	4	185	5	57
58	194	1	170	1	196	6	216	3	58
59	168	5	188	3	159	1	184	3	59
60	175	5	155	2	176	4	149	4	60

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Twenty-First Year.		Twenty-Second Year.		Twenty-Third Year.		Twenty-Fourth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
61	151	4	166	8	145	5	168	2	**61**
62	141	1	142	4	151	3	137	3	**62**
63	127	5	132	5	132	3	142	5	**63**
64	123	3	120	4	122	4	120	6	**64**
65	111	7	113	7	111	5	115	8	**65**
66	79	3	95	2	104	7	100	7	**66**
67	72	2	70	4	89	6	92	2	**67**
68	70	4	68	2	65	2	79	8	**68**
69	52	2	63	2	62	4	59	2	**69**
70	49	1	48	4	59	1	56	2	**70**
71	34		44	1	43	2	55	4	**71**
72	40	4	33	3	43	4	41	3	**72**
73	34		34	2	28	1	37	1	**73**
74	24	2	32	4	31	1	26	3	**74**
75	13	1	22	4	26	2	30	4	**75**
76	12		11		16		24	2	**76**
77	14	2	10	1	11		16	2	**77**
78	9	3	12	1	7		11	2	**78**
79	8	1	6		10	3	7		**79**
80	7		7	1	5	1	6		**80**
81	3		7		6		4	2	**81**
82	4		3		7	1	6	2	**82**
83	2	1	4		3		6	1	**83**
84	1	1	1		4	1	3		**84**
85	1				1	1	3	2	**85**
86			1						**86**
87					1				**87**
88	1	1					1		**88**
Total,	4,588	100	4,290	104	3,978	91	3,693	113	Total.

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Twenty-Fifth Year.		Twenty-Sixth Year.		Twenty-Seventh Year.		Twenty-Eighth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
31									31
32									32
33									33
34	1								34
35	1		1						35
36			1		1				36
37	1				1		1		37
38	2		1				1		38
39	6		1		1				39
40	2		6		1				40
41	2		2		5		1		41
42	4		2		2		4		42
43	8		4	1	2				43
44	11		8		3		2		44
45	14		10		7		2		45
46	27		13		9		4		46
47	38	1	25		12		7		47
48	66		35	1	23		9		48
49	82		61		29		18		49
50	102		77	2	56		22	1	50
51	109		95	1	66	1	44		51
52	148		100	2	90	1	56		52
53	144		145	4	92		73		53
54	149	3	131	1	130	4	79	1	54
55	164	4	140	2	120	1	109	2	55
56	198	1	150	2	128	3	101		56
57	182	4	185	4	147		104	1	57
58	165	6	165	2	167	4	118	1	58
59	193	6	151	5	150	1	143	1	59
60	171	1	178	4	134	4	123	4	60

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Twenty-Fifth Year.		Twenty-Sixth Year.		Twenty-Seventh Year.		Twenty-Eighth Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
61	137	6	153	6	166	3	108	3	**61**
62	162	3	127	3	141	6	137	3	**62**
63	122	7	150	5	116	6	116		**63**
64	131	9	108	3	133	1	91	3	**64**
65	111	4	114	4	97	2	117	2	**65**
66	104	5	102	4	105		81	1	**66**
67	88	4	93	2	90	7	88	2	**67**
68	84	2	83	6	86	6	75	1	**68**
69	68	3	80	6	68	2	68	3	**69**
70	54	2	60	4	68	3	53	3	**70**
71	52	2	49	2	51	2	54	5	**71**
72	49	3	49	5	43	4	40	6	**72**
73	34	2	44	4	42	3	28	2	**73**
74	34	1	29	2	34	3	30	3	**74**
75	23	2	31	2	24	1	24	1	**75**
76	26	5	21	1	26	1	20	3	**76**
77	21	2	20	2	17		21	1	**77**
78	12	1	16		17	4	12		**78**
79	8	1	11	2	15	4	12	3	**79**
80	6	1	7	2	8		11	1	**80**
81	6		5		5		6	2	**81**
82	2		6		5		4		**82**
83	4	1	2		6		5	1	**83**
84	5	1	3		2		6		**84**
85	3		4		3		2		**85**
86	1		3		4	1	2		**86**
87			1		3		3		**87**
88					1		2		**88**
89	1	1					1		**89**
Total,	3,338	94	3,058	96	2,752	78	2,238	60	Total.

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Twenty-Ninth Year.		Thirtieth Year.		Thirty-First Year.		Thirty-Second Year.		Age at Exposure.
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
36									36
37									37
38									38
39	1								39
40									40
41									41
42	1								42
43	2		1						43
44									44
45									45
46	1								46
47	2								47
48	4		2						48
49	4		1						49
50	14	1	2						50
51	14	1	5						51
52	26		4		3				52
53	44	1	17		3				53
54	47		15		4		1		54
55	56	1	21		6				55
56	68	1	26		6		1		56
57	68		26	1	10	1	1		57
58	65		26	1	7		1		58
59	79	1	29	3	11		1		59
60	91	3	37		5				60
61	77	3	32	1	12		1		61
62	63	1	29		7		1		62
63	103	2	29	1	5				63
64	77	1	44	1	8				64
65	56	1	32		15	2	2		65

TABLE I.—Continued.

MALE LIVES BY YEARS OF INSURANCE.

Age at Exposure.	Twenty-Ninth Year.		Thirtieth Year.		Thirty-First Year.		Thirty-Second Year.		Age at Exposure
	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	Exposed.	Died.	
66	81	2	20	1	11	1			66
67	53	2	35	1	10				67
68	56	3	15	2	10	1	1		68
69	41	1	14	1	5				69
70	48	3	15		4				70
71	27		15	1	4		1		71
72	29		14	1	3		1		72
73	21	2	16	3	5		1		73
74	13		8		5				74
75	18	4	8	2	3		1	1	75
76	12	1	7		3				76
77	10	2	5		3				77
78	10	2	3		2	1			78
79	8	1	3		1				79
80	5	2							80
81	7	1	1						81
82	1		4		1	1			82
83	2	1			3	2			83
84	3	1	1	1					84
85	2		1	1					85
86	1		2						86
87	2	2							87
88	3	1							88
89	2								89
90	1	1	1	1					90
Total,	1,419	49	566	23	175	9	14	1	Total.

TABLE II. (a)

MALE LIVES BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.
7-20	1-5	4,445	50	34.42	1.453
	6-10	255	1	1.98	.505
	11-15	6		.05	
21-30	1-5	84,929	571	695.89	.821
	6-10	16,003	142	132.30	1.073
	11-15	1,011	14	8.39	1.669
	16-20	31		.26	
	21-25	1		.01	
31-40	1-5	149,006	1,041	1,349.93	.771
	6-10	82,180	667	751.89	.887
	11-15	21,218	202	197.22	1.024
	16-20	1,585	12	15.00	.800
	21-25	150	2	1.41	1.418
	26-32	17		.17	
41-50	1-5	96,770	841	1,096.32	.767
	6-10	85,488	839	976.24	.859
	11-15	46,312	493	534.51	.922
	16-20	12,426	139	147.49	.942
	21-25	3,779	42	46.61	.901
	26-32	488	6	6.24	.962
51-60	1-5	34,036	523	622.07	.841
	6-10	42,140	751	783.49	.959
	11-15	29,308	413	554.37	.745
	16-20	12,775	233	244.04	.955
	21-25	9,557	153	188.06	.814
	26-32	4,438	70	91.92	.762
61-70	1-5	4,547	107	157.05	.681
	6-10	9,913	299	372.10	.804
	11-15	8,877	302	343.95	.878
	16-20	4,895	160	191.59	.835
	21-25	5,161	204	205.98	.990
	26-32	4,086	131	166.71	.786
71-80	1-5	39	2	3.00	.667
	6-10	296	16	22.87	.700
	11-15	894	52	71.17	.731
	16-20	821	50	72.02	.694
	21-25	1,144	85	100.45	.846
	26-32	1,071	92	95.89	.959
81-90	11-15	9	3	1.54	1.948
	16-20	29	5	5.31	.942
	21-25	95	16	18.37	.871
	26-32	122	17	27.01	.629

TABLE II. (b)

MALE LIVES BY YEARS OF INSURANCE.

Years of Insurance.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Years of Insurance.
1	97,790	730	976.26	.748	1
2	80,008	653	825.13	.791	2
3	71,305	579	759.36	.763	3
4	65,065	603	716.85	.841	4
5	59,604	570	681.06	.837	5
1-5	373,772	3,135	3,958.66	.792	1-5
6	55,403	617	658.18	.937	6
7	51,588	560	638.10	.878	7
8	47,278	533	610.70	.873	8
9	42,998	534	581.87	.918	9
10	39,008	471	551.98	.853	10
6-10	236,275	2,715	3,040.83	.893	6-10
11	33,443	422	494.84	.853	11
12	27,121	358	419.60	.853	12
13	20,513	280	333.25	.840	13
14	15,428	237	263.53	.899	14
15	11,130	182	199.97	.910	15
11-15	107,635	1,479	1,711.19	.864	11-15
16	8,261	142	154.31	.920	16
17	7,193	155	142.49	1.088	17
18	6,452	100	135.53	.738	18
19	5,630	112	124.81	.897	19
20	5,026	90	118.55	.759	20
16-20	32,562	599	675.69	.887	16-20
21	4,588	100	114.66	.872	21
22	4,290	104	113.54	.916	22
23	3,978	91	112.60	.808	23
24	3,693	113	112.02	1.009	24
25	3,338	94	108.02	.870	25
21-25	19,887	502	560.84	.895	21-25
26	3,058	96	105.56	.909	26
27	2,752	78	101.64	.767	27
28	2,238	60	88.51	.678	28
29	1,419	49	59.02	.830	29
30	566	23	24.38	.943	30
31	175	9	8.19	1.099	31
32	14	1	.62	1.613	32
26-32	10,222	316	387.92	.815	26-32
All,	780,353	8,746	10,335.13	.846	All.

TABLE III.

MALE LIVES.

Age at Exposure	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths by				Age at Exposure
				American Table.	Thirty American Offices.	Combined Experience.	H^M. Table.	
7-10	15			.112	.097	.101	.074	7-10
11	12			.090	.078	.081	.048	11
12	21			.158	.137	.143	.070	12
13	38	1	.02632	.288	.248	.261	.111	13
14	107	1	.00935	.813	.703	.738	.296	14
15	189	1	.00529	1.443	1.246	1.312	.543	15
16	289	2	.00692	2.214	1.911	2.024	.938	16
17	477	6	.01258	3.667	3.171	3.369	1.852	17
18	700	5	.00714	5.408	4.678	4.994	3.354	18
19	1,105	18	.01629	8.580	7.422	7.963	6.348	19
20	1,753	17	.00970	13.680	11.856	12.781	11.095	20
21	2,852	25	.00877	22.402	19.416	21.039	19.180	21
22	4,092	31	.00758	32.351	28.055	30.543	28.006	22
23	5,534	44	.00795	44.040	38.245	41.859	37.432	23
24	7,144	53	.00742	57.231	49.815	54.766	47.429	24
25	8,956	67	.00748	72.221	62.979	69.588	59.378	25
26	10,745	75	.00698	87.357	76.451	84.746	71.830	26
27	12,722	94	.00739	104.270	91.471	101.852	87.833	27
28	14,686	97	.00660	121.365	106.841	119.529	105.328	28
29	16,662	132	.00792	139.028	123.049	137.878	123.849	29
30	18,582	109	.00587	156.572	139.086	156.553	143.509	30
31	20,169	127	.00630	171.638	153.325	173.010	159.678	31
32	21,813	156	.00715	187.744	168.549	190.798	176.794	32
33	23,443	176	.00751	204.353	184.520	209.088	194.225	33
34	24,752	177	.00715	218.560	198.684	225.119	210.491	34
35	25,904	194	.00749	231.737	212.724	240.596	227.282	35
36	26,717	189	.00707	242.804	224.156	253.411	243.365	36
37	27,373	202	.00738	252.762	235.161	265.162	259.058	37
38	27,805	208	.00748	261.589	245.407	275.436	271.933	38
39	28,035	244	.00870	268.744	254.474	284.023	282.649	39
40	28,145	251	.00892	275.652	263.437	291.638	290.062	40
41	27,884	209	.00750	279.063	268.997	295.905	292.420	41
42	27,565	249	.00903	282.596	275.595	300.293	295.883	42
43	26,919	265	.00984	283.107	278.639	302.866	299.528	43
44	26,174	224	.00856	283.438	281.658	306.157	302.467	44
45	25,292	239	.00945	282.335	283.346	308.866	308.360	45
46	24,460	258	.01055	282.807	285.888	314.042	316.512	46
47	23,402	245	.01047	280.824	286.136	316.301	320.654	47
48	22,409	243	.01084	280.314	287.149	319.552	323.586	48
49	21,175	215	.01015	277.520	284.994	318.917	322.284	49
50	19,983	213	.01066	275.386	283.259	318.489	318.729	50

TABLE III.—Continued.

MALE LIVES.

Age at Exposure	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths by				Age at Exposure
				American Table.	Thirty American Offices.	Combined Experience.	H^{M}. Table.	
51	18,596	255	.01371	270.404	278.103	314.235	309.995	51
52	17,545	231	.01317	270.000	277.457	314.880	307.897	52
53	16,287	230	.01412	266.016	272.840	310.968	302.938	53
54	15,039	229	.01523	261.618	267.378	305.487	296.780	54
55	13,713	226	.01648	254.664	259.587	297.078	288.426	55
56	12,507	205	.01639	248.702	252.291	289.237	280.820	56
57	11,381	202	.01775	242.814	245.374	280.872	273.030	57
58	10,143	190	.01873	232.640	233.898	267.633	259.925	58
59	9,057	190	.02090	223.889	223.771	255.824	249.421	59
60	7,986	185	.02317	213.170	211.845	242.263	237.009	60
61	6,984	175	.02506	201.698	199.247	227.762	223.753	61
62	6,040	150	.02483	189.004	185.428	212.131	209.201	62
63	5,251	148	.02819	178.235	173.850	198.698	196.860	63
64	4,534	157	.03463	167.182	162.045	185.105	183.219	64
65	3,825	140	.03660	153.493	147.798	168.614	166.124	65
66	3,165	115	.03633	138.333	132.262	150.698	147.391	66
67	2,584	98	.03793	123.120	117.009	133.009	128.913	67
68	2,095	88	.04200	108.944	102.745	116.545	111.525	68
69	1,665	75	.04505	94.509	88.648	100.045	95.471	69
70	1,336	57	.04266	82.823	77.191	86.750	83.089	70
71	1,035	52	.05024	70.033	64.972	72.614	70.432	71
72	812	54	.06650	59.871	55.391	61.554	60.851	72
73	621	31	.04992	49.791	46.047	50.850	51.456	73
74	487	28	.05749	42.383	39.305	43.084	44.412	74
75	391	34	.08696	36.899	34.327	37.364	38.459	75
76	308	28	.09091	31.512	29.415	31.779	32.763	76
77	232	20	.08621	25.767	24.127	25.861	26.607	77
78	170	21	.12353	20.541	19.241	20.475	20.946	78
79	125	20	.16000	16.467	15.398	16.258	16.632	79
80	84	9	.10714	12.135	11.262	11.794	12.151	80
81	67	9	.13433	10.626	9.771	10.146	10.588	81
82	52	5	.09615	9.063	8.253	8.486	8.910	82
83	43	9	.20930	8.237	7.416	7.564	7.992	83
84	32	6	.18750	6.763	6.001	6.070	6.364	84
85	21	4	.19048	4.947	4.276	4.307	4.408	85
86	15	1	.06667	3.985	3.313	3.337	3.295	86
87	11	2	.18182	3.333	2.639	2.665	2.544	87
88	8	2	.25000	2.774	2.076	2.122	1.914	88
89	4	1	.25000	1.583	1.170	1.170	1.013	89
90	2	2	1.00000	.909	.656	.647	.559	90
Total,	780,353	8,746	.01121	10,335.140	10,016.866	11,237 770	10,938.546	Total.

TABLE IV.

MALE LIVES.—SUMMARY.

Ages at Exposure.	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths by				Ratio of Actual to Probable.				Ages at Exposure.
				American Table.	Thirty American Offices.	Combined Experience.	H^M. Table.	American Table.	Thirty American Offices.	Combined Experience.	H^M. Table.	
7-20	4,706	51	.01084	36.45	31.55	33.77	24.73	1.399	1.616	1.510	2.062	**7-20**
21-25	28,578	220	.00770	228.25	198.51	217.80	191.43	.964	1.108	1.010	1.149	**21-25**
26-30	73,397	507	.00691	608.59	536.89	600.56	532.35	.833	.944	.844	.952	**26-30**
31-35	116,081	830	.00715	1,014.03	917.80	1,038.61	968.47	.819	.904	.799	.857	**31-35**
36-40	138,075	1,094	.00792	1,301.55	1,222.64	1,369.67	1,347.07	.841	.895	.799	.812	**36-40**
41-45	133,834	1,186	.00886	1,410.54	1,388.24	1,514.09	1,498.66	.841	.854	.783	.791	**41-45**
46-50	111,429	1,174	.01054	1,396.85	1,427.43	1,587.30	1,601.77	.840	.822	.740	.733	**46-50**
51-55	81,180	1,171	.01442	1,322.70	1,355.37	1,542.65	1,506.04	.885	.864	.759	.778	**51-55**
56-60	51,074	972	.01903	1,161.22	1,167.18	1,335.83	1,300.21	.837	.833	.728	.748	**56-60**
61-65	26,634	770	.02891	889.61	868.37	992.31	979.16	.866	.887	.776	.786	**61-65**
66-70	10,845	433	.03993	547.73	517.86	587.05	566.39	.791	.836	.738	.764	**66-70**
71-75	3,346	199	.05947	258.98	240.04	265.47	265.61	.768	.829	.750	.749	**71-75**
76-80	919	98	.10664	106.42	99.44	106.17	109.10	.921	.985	.923	.898	**76-80**
81-85	215	33	.15349	39.64	35.72	36.57	38.26	.833	.924	.902	.862	**81-85**
86-90	40	8	.20000	12.58	9.85	9.94	9.33	.636	.812	.805	.858	**86-90**
All,	780,353	8,746	.01121	10,335.14	10,016.89	11,237.79	10,938.58	.846	.873	.778	.800	All.

TABLE V.

MALE LIVES INSURED UNDER PREMIUM PAYING LIFE AND ENDOWMENT POLICIES.

Ages at Exposure.	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Ages at Exposure.
7-20	4,246	38	.00895	32.88	1.156	**7-20**
21-25	25,682	177	.00689	205.13	.863	**21-25**
26-30	67,150	454	.00676	556.80	.815	**26-30**
31-35	106,379	750	.00705	929.27	.807	**31-35**
36-40	126,165	1,010	.00801	1,189.26	.849	**36-40**
41-45	122,026	1,074	.00880	1,286.15	.835	**41-45**
46-50	102,006	1,058	.01037	1,278.88	.827	**46-50**
51-55	74,515	1,084	.01455	1,214.01	.893	**51-55**
56-60	46,908	900	.01919	1,066.91	.844	**56-60**
61-65	24,643	730	.02962	822.97	.887	**61-65**
66-70	10,007	407	.04067	505.66	.805	**66-70**
71-75	3,194	190	.05949	247.56	.767	**71-75**
76-80	906	97	.10706	104.92	.925	**76-80**
81-85	210	32	.15238	38.78	.825	**81-85**
86-90	40	8	.20000	12.58	.636	**86-90**
All,	714,077	8,009	.01122	9,491.76	.844	All.

TABLE VI.

MALE LIVES INSURED UNDER PAID-UP POLICIES ISSUED IN LIEU OF POLICIES SURRENDERED.

Ages at Exposure.	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Ages at Exposure.
7-20	122			.95		**7-20**
21-25	1,005	7	.00697	8.04	.871	**21-25**
26-30	3,959	30	.00758	32.86	.913	**26-30**
31-35	7,898	54	.00684	69.06	.782	**31-35**
36-40	10,687	75	.00702	100.81	.744	**36-40**
41-45	10,912	95	.00871	114.98	.826	**41-45**
46-50	8,902	110	.01236	111.57	.986	**46-50**
51-55	6,567	84	.01279	107.23	.783	**51-55**
56-60	4,284	76	.01774	97.21	.782	**56-60**
61-65	2,122	47	.02215	70.99	.662	**61-65**
66-70	876	29	.03311	44.08	.658	**66-70**
71-75	159	9	.05660	11.89	.757	**71-75**
76-80	15	1	.06667	1.77	.565	**76-80**
81-85	4	1	.25000	.67	1.493	**81-85**
86-90						**86-90**
All,	57,512	618	.01075	772.11	.800	All.

TABLE VII.

MALE LIVES INSURED UNDER TERM POLICIES.

Ages at Exposure.	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Ages at Exposure.
7-20	335	13	.03881	2.60	5.000	7-20
21-25	1,903	37	.01944	15.17	2.439	21-25
26-30	2,303	28	·01216	19.05	1.470	26-30
31-35	2,055	32	.01557	17.91	1.787	31-35
36-40	1,715	21	.01224	16.13	1.302	36-40
41-45	1,217	22	.01808	12.79	1.720	41-45
46-50	880	18	.02045	11.01	1.635	46-50
51-55	515	11	.02136	8.30	1.325	51-55
56-60	170	4	.02353	3.78	1.058	56-60
61-65	24	2	.08333	.75	2.667	61-65
66-70	4			.22		66-70
71-75						71-75
76-80						76-80
81-85						81-85
86-90						86-90
All,	11,121	188	.01690	107.71	1.745	All.

TABLE VIII. (a)

MALE LIVES INSURED UNDER PREMIUM PAYING LIFE AND ENDOWMENT POLICIES, ARRANGED BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.
7-20	**1-5**	4,033	37	31.23	1.185
	6-10	208	1	1.60	.625
	11-15	5		.04	
21-30	**1-5**	79,003	501	647.56	.774
	6-10	12,988	118	107.41	1.099
	11-15	810	12	6.72	1.786
	16-20	30		.26	
	21-25	1		.01	
31-40	**1-5**	142,755	981	1,293.45	.758
	6-10	70,223	584	642.78	.909
	11-15	17,913	181	166.66	1.086
	16-20	1,493	12	14.15	.848
	21-25	145	2	1.36	1.471
	26-32	15		.15	
41-50	**1-5**	93,062	794	1,054.46	.753
	6-10	74,275	731	848.56	.861
	11-15	40,388	421	466.32	.903
	16-20	12,136	138	144.10	.958
	21-25	3,696	42	45.55	.922
	26-32	475	6	6.06	.990
51-60	**1-5**	32,861	503	600.58	.838
	6-10	36,712	676	682.55	.990
	11-15	25,595	359	483.77	.742
	16-20	12,482	227	238.26	.953
	21-25	9,450	151	186.12	.811
	26-32	4,323	68	89.63	.759
61-70	**1-5**	4,355	101	150.17	.673
	6-10	8,603	280	322.34	.869
	11-15	7,786	268	301.37	.889
	16-20	4,800	156	187.89	.830
	21-25	5,086	205	203.06	1.010
	26-32	4,020	127	163.78	.775
71-80	**1-5**	39	2	3.00	.667
	6-10	273	15	21.07	.712
	11-15	804	49	64.48	.760
	16-20	820	49	72.04	.680
	21-25	1,129	85	99.29	.856
	26-32	1,035	87	92.60	.940
81-90	**11-15**	9	3	1.54	1.948
	16-20	29	5	5.31	.942
	21-25	92	15	17.85	.840
	26-32	120	17	26.67	.637

TABLE VIII. (b)

MALE LIVES INSURED UNDER PREMIUM PAYING LIFE AND ENDOWMENT POLICIES, BY YEARS OF INSURANCE.

Years of Insurance.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Years of Insurance.
1	95,060	640	952.21	.672	1
2	78,402	624	810.66	.770	2
3	68,300	558	729.97	.764	3
4	60,547	569	669.95	.849	4
5	53,799	528	617.69	.855	5
1-5	356,108	2,919	3,780.48	.772	1-5
6	48,864	560	583.48	.960	6
7	44,735	487	556.11	.876	7
8	40,610	483	526.74	.917	8
9	36,397	467	495.05	.943	9
10	32,676	408	464.93	.878	10
6-10	203,282	2,405	2,626.31	.916	6-10
11	28,095	358	417.89	.857	11
12	23,029	300	358.15	.838	12
13	17,835	246	290.33	.847	13
14	13,894	218	237.22	.919	14
15	10,457	171	187.32	.913	15
11-15	93,310	1,293	1,490.91	.867	11-15
16	8,004	139	149.80	.928	16
17	7,003	150	139.12	1.078	17
18	6,304	100	132.85	.753	18
19	5,527	110	123.13	.893	19
20	4,952	88	117.12	.751	20
16-20	31,790	587	662.02	.887	16-20
21	4,528	99	113.56	.872	21
22	4,228	102	112.04	.910	22
23	3,926	91	111.25	.818	23
24	3,637	112	110.35	1.015	24
25	3,280	96	106.03	.905	25
21-25	19,599	500	553.23	.904	21-25
26	3,000	93	103.47	.899	26
27	2,694	75	99.42	.754	27
28	2,189	56	86.51	.647	28
29	1,378	48	57.44	.836	29
30	547	23	23.61	.974	30
31	167	9	7.89	1.141	31
32	13	1	.53	1.887	32
26-32	9,988	305	378.87	.805	26-32
All,	714,077	8,009	9,491.82	.844	All.

TABLE IX. (a)

MALE LIVES INSURED UNDER PAID UP POLICIES ISSUED IN LIEU OF POLICIES SURRENDERED, ARRANGED BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.
14-20	**1-5**	122		.94	
21-30	**1-5**	4,463	34	36.75	.925
	6-10	493	3	4.08	.735
	11-19	8		.07	
31-40	**1-5**	14,411	104	131.43	.791
	6-10	4,003	23	36.84	.624
	11-19	171	2	1.59	1.258
41-50	**1-5**	13,875	151	158.63	.952
	6-10	5,578	52	63.73	.816
	11-19	361	2	4.18	.478
51-60	**1-5**	7,630	112	143.44	.781
	6-10	3,014	48	57.11	.840
	11-19	207		3.88	
61-70	**1-5**	2,017	55	77.33	.711
	6-10	901	21	34.44	.610
	11-19	80		3.29	
71-82	**1-5**	95	9	7.68	1.172
	6-10	68	2	5.06	.395
	11-19	15		1.58	

TABLE IX. (b)

MALE LIVES INSURED UNDER PAID-UP POLICIES ISSUED IN LIEU OF POLICIES SURRENDERED, BY YEARS OF INSURANCE.

Years of Insurance.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Years of Insurance.
1	11,762	123	148.66	.827	**1**
2	9,780	102	125.46	.813	**2**
3	8,353	90	109.73	.820	**3**
4	7,026	91	94.43	.964	**4**
5	5,692	59	77.94	.757	**5**
1-5	42,613	465	556.22	.836	**1-5**
6	4,530	55	62.92	.874	**6**
7	3,466	41	48.99	.837	**7**
8	2,792	23	40.50	.568	**8**
9	2,036	14	30.22	.463	**9**
10	1,233	16	18.65	.858	**10**
6-10	14,057	149	201.28	.740	**6-10**
11-19	842	4	14.58	.274	**11-19**
All,	57,512	618	772.08	.800	All.

TABLE X.

MALE LIVES INSURED UNDER TERM POLICIES, ARRANGED BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.
7-20	**1-5**	331	13	2.58	5.039
	6-14	4		.03	
21-30	**1-5**	3,942	63	32.05	1.966
	6-14	264	2	2.18	.917
31-40	**1-5**	3,272	47	29.53	1.592
	6-14	498	6	4.52	1.327
41-50	**1-5**	1,771	36	20.12	1.789
	6-14	326	4	3.68	1.087
51-70	**1-5**	566	14	10.28	1.362
	6-14	147	3	2.77	1.083
All Ages Combined.	**1**	3,841	96	35.48	2.706
	2	2,365	33	22.40	1.473
	3	1,602	16	15.59	1.026
	4	1,170	18	11.77	1.529
	5	904	10	9.29	1.076
	1-5	9,882	173	94.53	1.830
	6-14	1,239	15	13.18	1.138
All,	All,	11,121	188	107.71	1.745

TABLE XI.

MALE LIVES CLASSIFIED BY PLACE OF BIRTH.

A. NATIVES OF THE UNITED STATES.

Ages at Exposure.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Ages at Exposure.
7-20	4,310	47	33.38	1.408	**7-20**
21-30	85,935	609	704.95	.864	**21-30**
31-40	204,816	1,553	1,865.24	.833	**31-40**
41-50	196,539	1,814	2,251.89	.806	**41-50**
51-60	111,362	1,730	2,098.68	.825	**51-60**
61-70	33,136	1,039	1,274.41	.815	**61-70**
71-80	3,919	271	336.27	.806	**71-80**
81-90	245	40	50.16	.797	**81-90**
All,	640,262	7,103	8,614.47	.825	All.

B. NATIVES OF BRITISH AMERICA.

7-20	189	1	1.46	.685	**7-20**
21-30	4,893	48	40.09	1.197	**21-30**
31-40	7,994	52	72.41	.718	**31-40**
41-50	5,016	55	56.68	.970	**41-50**
51-60	1,671	21	30.27	.694	**51-60**
61-70	343	8	13.27	.603	**61-70**
71-80	29	2	2.40	.833	**71-80**
All,	20,135	187	216.58	.863	All.

C. NATIVES OF ENGLAND AND WALES.

7-20	57		.44		**7-20**
21-30	2,276	15	18.72	.801	**21-30**
31-40	7,975	62	72.95	.850	**31-40**
41-50	9,606	96	110.37	.870	**41-50**
51-60	5,152	92	96.13	.957	**51-60**
61-70	1,269	41	48.41	.847	**61-70**
71-80	142	12	12.12	.990	**71-80**
81-90	3	1	.52	1.923	**81-90**
All,	26,480	319	359.65	.887	All.

TABLE XI.—Continued.

MALE LIVES CLASSIFIED BY PLACE OF BIRTH.

D. NATIVES OF SCOTLAND.

Ages at Exposure.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Ages at Exposure.
7-20	23		.18		**7-20**
21-30	861	5	7.08	.706	**21-30**
31-40	2,702	19	24.71	.769	**31-40**
41-50	2,992	34	34.10	.997	**41-50**
51-60	1,468	23	27.57	.834	**51-60**
61-70	376	16	14.22	1.125	**61-70**
71-80	34	3	2.77	1.083	**71-80**
All,	8,456	100	110.63	.904	All.

E. NATIVES OF THE GERMAN AND AUSTRIAN EMPIRES, BELGIUM AND HOLLAND.

7-20	100	1	.78	1.282	**7-20**
21-30	5,343	28	44.04	.636	**21-30**
31-40	21,369	147	195.31	.753	**31-40**
41-50	21,760	241	247.79	.973	**41-50**
51-60	8,171	184	148.79	1.237	**51-60**
61-70	1,203	56	43.65	1.283	**61-70**
71-80	44	2	3.48	.575	**71-80**
All,	57,990	659	683.84	.964	All.

F. NATIVES OF FRANCE AND SWITZERLAND.

7-20	3		.02		**7-20**
21-30	308	4	2.54	1.575	**21-30**
31-40	1,506	18	13.77	1.307	**31-40**
41-50	1,499	15	17.06	.879	**41-50**
51-60	624	12	11.54	1.040	**51-60**
61-70	136	2	5.01	.399	**61-70**
71-80	11	2	1.01	1.980	**71-80**
All,	4,087	53	50.95	1.040	All.

TABLE XI.—Continued.

MALE LIVES CLASSIFIED BY PLACE OF BIRTH.

G. NATIVES OF NORWAY, SWEDEN, RUSSIA AND DENMARK.

Ages at Exposure.	Exposed.	Died.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Ages at Exposure.
7-20	3		.02		**7-20**
21-30	279	2	2.30	.870	**21-30**
31-40	782	8	7.13	1.122	**31-40**
41-50	714	9	8.07	1.115	**41-50**
51-60	256	6	4.61	1.302	**51-60**
61-70	30		1.09		**61-70**
All,	2,064	25	23.23	1.076	All.

H. NATIVES OF IRELAND.

7-20	16	2	.12	16.667	**7-20**
21-30	1,709	14	14.07	.995	**21-30**
31-40	6,064	61	55.42	1.101	**31-40**
41-50	6,363	84	72.63	1.157	**41-50**
51-60	3,241	69	61.19	1.128	**51-60**
61-70	900	35	33.93	1.032	**61-70**
71-80	85	5	7.28	.687	**71-80**
81-90	7		1.54		**81-90**
All,	18,385	270	246.18	1.097	All.

I. NATIVES OF OTHER COUNTRIES.

7-20	5		.04		**7-20**
21-30	371	2	3.05	.656	**21-30**
31-40	948	4	8.65	.462	**31-40**
41-50	774	12	8.81	1.362	**41-50**
51-60	309	6	5.65	1.062	**51-60**
61-70	86	6	3.34	1.796	**61-70**
71-80	1		.07		**71-80**
All,	2,494	30	29.61	1.013	All.

TABLE XII.

CLASSIFICATION BY OCCUPATION.

1. Traveling Agents, Commercial Travelers, etc.
2. Lumbermen, and Proprietors, Superintendents and Workmen in Saw Mills and Planing Mills.
3. Dentists.
4. Professors and Teachers, including Music Teachers.
5. Hatters.
6. Liverymen and Stage Proprietors.
7. Clergymen, Missionaries and Colporteurs.
8. Tanners and Curriers.
9. Metal Workers.
10. Bankers, Capitalists, and Officers of Corporations other than Manufacturing Corporations; also Superintendents of Railroads and Express Companies.
11. Civil Officials.
12. Butchers, Packers, Drovers and Marketmen.
13. Leather Workers.
14. Mechanics not designated and Workers at Petty Mechanical Occupations.
15. Painters and Paper-Hangers.
16. Lawyers, Justices, Magistrates, Conveyancers, etc.
17. Jewelers, Clock and Watchmakers, Opticians, Gold and Silversmiths, Gold Pen Makers, etc.
18. Manufacturers, including Officers of Manufacturing Companies, Proprietors, Superintendents and Managers of Manufactories, except Liquor Refiners, Oil Producers, etc.
19. Merchants, Publishers, Shippers, Dealers and Traders of all kinds, except Stock-Brokers, "Operators," Peddlers, Milkmen, Pawnbrokers, and Dealers in Drugs, Paints, Tobacco and Liquors.
20. Agriculturalists, Gardeners, Nurserymen, Dairymen, Stock-raisers, etc.
21. Wood Workers, including Carriage and Wagon Makers.
22. Laborers and Mill Operatives.
23. Civil Engineers and Surveyors.
24. Agents, Adjusters, Canvassers, Underwriters, Insurance Surveyors, Express Managers, Depot Masters, etc.

TABLE XII.—Continued.

CLASSIFICATION BY OCCUPATION.

25. Tailors and Cloth Cutters.
26. Millers.
27. Salesmen, Clerks, Book-keepers, Auditors, Cashiers, except of Banks, Bank Messengers, Private Secretaries and Telegraph Operators.
28. Stationary Engineers and Engineers not designated.
29. Artists, Architects, Draughtsmen, Engravers, Lithographers, Mechanical Engineers, Sculptors, etc.
30. Authors, Editors, Journalists, Correspondents, Lecturers, Reporters, etc.
31. Foundrymen, Moulders, Furnacemen and Potters.
32. Railroad Trainmen, Express Messengers, Section Masters and Train Dispatchers.
33. Printers.
34. Physicians, Surgeons and Oculists.
35. Gentlemen and Retired Business men.
36. Druggists, Chemists, Dyers, Bleachers, Platers, Photographers, Dealers in Drugs, Paints, Oils, etc.
37. Bakers.
38. Tobacconists and Cigar Makers.
39. Stone Workers and Plasterers.
40. Drivers, Teamsters, etc.
41. Officers and Crews of Steamboats and River Craft.
42. Stock Brokers, Brokers, Real Estate Agents, Speculators and Operators.
43. Students.
44. Army Officers and Soldiers.
45. Liquor Refiners and Dealers, Bar Keepers, Hotel Keepers, Landlords, etc.
46. Mariners and Seamen.
47. Officers of the Navy and of Ocean and Sailing Vessels.
48. Miscellaneous, consisting principally of unknown and indefinitely designated occupations, including also occupations not before provided for, as Actors, Auctioneers, Barbers, Boarding-house Keepers, Divers, etc.
49. Persons giving two or more distinct occupations, not classed together above, usually in different applications made at different times.

TABLE XII.—Continued.

MALE LIVES CLASSIFIED BY OCCUPATION.

Occupation.	Entered.	Existing.	Ceased.	Died.	Years of Exposure.	Average Duration of Insurance.	Per cent. remaining Insured.	Probable Deaths, American Table.	Ratio of Actual to Probable.	Occupation.
1	241	161	72	8	1,404	5.83	67	16.90	.473	1
2	416	205	191	20	3,039	7.31	49	39.17	.511	2
3	458	243	185	30	3,934	8.59	53	48.74	.616	3
4	1,211	680	459	72	9,681	7.99	56	116.92	.616	4
5	186	68	101	17	1,659	8.92	37	25.33	.671	5
6	376	179	171	26	2,666	7.09	48	36.51	.712	6
7	2,391	1,454	689	248	23,285	9.74	61	341.46	.726	7
8	225	114	88	23	2,032	9.03	51	30.88	.745	8
9	2,919	1,372	1,329	218	22,605	7.74	47	291.58	.748	9
10	1,401	936	347	118	11,654	8.32	67	157.74	.748	10
11	1,114	598	422	94	8,331	7.48	54	124.74	.754	11
12	983	479	431	73	7,259	7.38	49	96.36	.758	12
13	1,326	575	654	97	9,537	7.19	43	126.06	.769	13
14	1,356	550	695	111	11,134	8.21	41	143.04	.776	14
15	739	299	384	56	5,272	7.13	40	71.68	.781	15
16	3,040	1,778	1,014	248	24,355	8.01	58	312.67	.793	16
17	740	377	302	61	6,182	8.35	51	75.86	.804	17
18	4,932	2,635	1,808	489	42,283	8.57	53	604.65	.809	18
19	25,585	14,378	8,807	2,400	221,043	8.64	56	2,953.37	.813	19
20	8,529	3,947	3,869	713	57,812	6.78	46	875.16	.815	20
21	4,484	1,846	2,275	363	31,879	7.11	41	431.23	.842	21
22	1,263	624	541	98	8,784	6.95	49	114.86	.853	22
23	320	183	108	29	2,713	8.48	57	33.96	.854	23
24	3,135	1,634	1,240	261	23,036	7.35	52	304.95	.856	24
25	869	398	386	85	7,249	8.34	46	97.18	.875	25
26	796	375	348	73	5,840	7.34	47	82.86	.881	26
27	9,827	5,652	3,456	719	76,101	7.74	58	813.53	.884	27
28	210	101	94	15	1,493	7.11	48	16.97	.884	28
29	360	164	164	32	2,769	7.69	46	35.81	.894	29
30	422	172	216	34	2,770	6.56	41	36.46	.933	30
31	420	194	186	40	3,115	7.42	46	42.63	.938	31
32	528	260	224	44	4,116	7.80	49	45.87	.959	32
33	544	223	281	40	3,594	6.61	41	41.01	.975	33
34	2,347	1,121	963	263	18,146	7.73	48	269.05	.978	34
35	330	157	122	51	2,472	7.49	48	52.09	.979	35
36	1,457	786	532	139	11,393	7.82	54	137.77	1.009	36
37	441	196	198	47	3,460	7.85	44	45.75	1.027	37
38	350	205	116	29	2,360	6.74	59	28.10	1.032	38
39	953	396	465	92	6,745	7.08	42	88.89	1.035	39
40	381	159	182	40	2,645	6.94	42	36.30	1.102	40
41	240	91	126	23	1,616	6.73	38	20.60	1.117	41
42	1,179	547	502	130	8,289	7.03	46	115.49	1.126	42
43	900	438	402	60	6,133	6.81	49	51.19	1.172	43
44	293	133	131	29	2,023	6.90	45	22.78	1.273	44
45	1,617	655	748	214	11,358	7.02	41	150.63	1.421	45
46	300	140	111	49	2,312	7.71	47	29.55	1.658	46
47	423	190	151	82	3,280	7.75	45	46.82	1.751	47
48	3,006	1,129	1,532	345	22,007	7.32	38	308.24	1.119	48
49	2,224	1,583	443	198	27,445	12.34	71	345.28	.573	49
All,	97,787	50,780	38,261	8,746	780,310	7.98	52	10,334.67	.846	All.

TABLE XIII.

MALE LIVES CLASSIFIED BY OCCUPATION AND BY GROUPS OF AGES.

Occupation.	Ages at Exposure. 7-30.		Ages at Exposure. 31-40.		Ages at Exposure. 41-50.		Ages at Exposure. 51-60.		Ages at Exposure. 61-70.		Ages at Exposure. 71-90.		Occupation.
	Deaths	Probable Deaths, American Table.	Deaths.	Probable Deaths, American Table.	Deaths.	Probable Deaths, American Table.	Deaths.	Probable Deaths, American Table.	Deaths.	Probable Deaths, American Table.	Deaths	Probable Deaths, American Table.	
1	1	2.54	3	4.40	1	4.11	1	3.58	2	2.04		.22	1
2	3	2.09	5	9.26	8	12.66	3	9.98	1	4.82		.36	2
3	4	4.34	10	13.02	7	14.38	6	10.70	3	4.93		1.35	3
4	6	12.44	24	35.45	20	30.46	12	22.80	7	11.93	3	3.85	4
5	1	2.09	1	3.88	5	5.41	5	6.71	4	5.44	1	1.81	5
6	4	1.53	5	6.98	6	12.17	8	9.57	2	5.58	1	.69	6
7	7	9.76	48	67.48	72	93.13	67	92.08	42	58.43	12	20.58	7
8	1	1.03	2	5.08	10	8.41	6	8.55	2	5.86	2	1.96	8
9	21	22.43	56	70.87	59	88.48	48	61.32	24	35.34	10	13.13	9
10	5	10.12	26	34.64	31	43.07	24	41.18	28	24.65	4	4.09	10
11	3	5.06	19	23.35	28	32.67	26	31.98	12	20.72	6	10.95	11
12	4	5.70	16	22.54	23	28.53	14	22.86	11	13.10	5	3.63	12
13	4	9.88	20	29.49	29	35.39	23	27.94	12	17.09	9	6.26	13
14	12	10.52	28	34.49	29	43.20	31	33.44	9	17.43	2	3.94	14
15	5	4.82	7	15.63	14	20.54	18	16.38	8	10.10	4	4.19	15
16	17	22.90	64	77.78	59	90.15	69	76.56	31	34.75	8	10.52	16
17	7	7.10	16	20.75	17	21.58	15	17.02	5	8.47	1	.94	17
18	24	29.39	89	113.21	125	167.92	143	165.09	89	100.10	19	28.93	18
19	145	200.90	517	676.32	697	818.80	604	727.08	354	416.64	83	113.62	19
20	57	46.46	113	132.99	174	221.72	210	255.58	125	170.37	34	48.03	20
21	24	22.92	72	87.06	113	134.35	94	114.51	45	61.38	15	11.00	21
22	17	10.24	12	24.36	26	33.17	27	29.03	12	14.01	4	4.05	22
23	1	2.89	6	7.73	9	10.90	8	8.46	5	3.46		.51	23
24	26	25.27	53	74.26	75	79.79	50	67.35	36	41.60	21	16.69	24
25	3	3.81	15	18.88	21	33.85	27	26.84	15	11.46	4	2.34	25
26	6	4.10	16	15.64	20	22.45	19	23.65	10	15.23	2	1.78	26
27	181	206.09	247	255.16	141	168.93	99	110.02	37	57.20	14	16.13	27
28		1.76	6	5.26	5	5.28	3	3.95	1	.73			28
29	1	3.07	5	8.76	12	9.90	10	8.15	3	4.21	1	1.73	29
30	3	2.51	7	8.59	5	10.06	10	9.67	8	4.90	1	.74	30
31	4	3.35	6	8.24	7	12.19	13	10.34	9	6.66	1	1.85	31
32	3	4.23	15	15.93	16	14.87	9	8.66	1	2.18			32
33	7	5.46	16	13.13	5	11.40	9	7.00	2	3.35	1	.68	33
34	11	11.19	46	48.31	69	73.15	68	71.05	51	45.74	18	19.60	34
35		1.20	4	3.16	6	7.88	23	15.14	14	18.42	4	6.29	35
36	18	16.58	40	38.31	35	37.23	27	26.86	15	14.77	4	4.01	36
37	1	2.69	11	9.97	16	14.22	13	11.75	4	6.05	2	1.08	37
38	2	3.12	15	8.46	7	7.71	4	5.58	1	2.35		.88	38
39	5	5.16	26	20.16	25	26.72	20	23.03	13	11.95	3	1.87	39
40	2	2.33	7	7.54	17	10.49	7	8.56	4	5.26	3	2.12	40
41	1	1.17	8	4.92	11	6.70	2	5.35	1	2.15		.31	41
42	11	7.11	18	23.17	33	33.08	39	27.72	23	17.32	6	7.10	42
43	47	38.35	11	9.70	1	2.37	1	.45		.31			43
44	7	3.11	15	7.34	3	6.52	4	3.90		1.91			44
45	10	6.84	38	32.59	85	47.93	49	42.76	29	17.02	3	3.47	45
46	8	2.90	11	6.82	16	8.57	10	6.58	2	3.36	2	1.31	46
47	6	2.69	23	9.60	22	12.40	21	11.14	8	7.26	2	3.74	47
48	30	24.80	72	58.03	95	80.92	83	76.88	51	49.83	14	17.79	48
49	12	37.21	34	86.89	51	91.21	60	78.89	32	39.61	9	11.46	49
All,	778	873.25	1,924	2,315.58	2,361	2,807.02	2,142	2,483.67	1,203	1,437.47	338	417.58	All.

TABLE XIV.

FEMALE LIVES.

Age at Exposure.	Exposed.	Died.	Ratio of Died to Exposed.	Age at Exposure.	Exposed.	Died.	Ratio of Died to Exposed.
7-10	7						
11	6			51	1,290	16	.01240
12	7			52	1,178	16	.01358
13	8			53	1,077	15	.01393
14	24			54	980	14	.01429
15	51			55	893	13	.01456
16	67			56	806	9	.01117
17	91			57	736	9	.01223
18	142	2	.01408	58	658	15	.02280
19	179	2	.01117	59	573	5	.00873
20	265	5	.01887	60	516	13	.02519
21	354	3	.00847	61	456	11	.02412
22	489	4	.00818	62	396	10	.02525
23	624	7	.01122	63	347	5	.01484
24	756	6	.00794	64	305	10	.03278
25	927	12	.01294	65	243	6	.02469
26	1,079	9	.00834	66	207	4	.01932
27	1,217	19	.01561	67	176	4	.02272
28	1,416	14	.00989	68	154	8	.05195
29	1,589	13	.00818	69	130	3	.02308
30	1,801	18	.00999	70	109	3	.02752
31	1,898	15	.00790	71	86	1	.01163
32	2,029	21	.01035	72	70	3	.04286
33	2,132	31	.01454	73	56	3	.05357
34	2,167	26	.01200	74	44	2	.04545
35	2,195	19	.00866	75	38	6	.15789
36	2,229	23	.01032	76	32	2	.06250
37	2,259	18	.00797	77	29	6	.20690
38	2,295	26	.01133	78	20	2	.10000
39	2,255	22	.00976	79	18		
40	2,242	25	.01115	80	15	2	.13333
41	2,195	28	.01276	81	10	5	.50000
42	2,093	18	.00858	82	5		
43	2,011	29	.01442	83	4	1	.25000
44	1,969	24	.01219	84	3		
45	1,908	19	.00996	85	3	1	.33333
46	1,806	17	.00941	86	2		
47	1,733	15	.00866	87	2		
48	1,612	24	.01489	88	2		
49	1,483	6	.00405	89	2	1	.50000
50	1,398	11	.00787	90	1	1	1.00000
				All,	62,680	756	.01206

TABLE XV.

FEMALE LIVES ARRANGED BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	First to Fifth Year.			Sixth to Tenth Year.			Eleventh to Fifteenth Year.			Sixteenth to Twentieth Year.			Twenty-First to Thirty-First Year.			All Years.					Ages at Exposure.
	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths, American Table.	Ratio of Actual to Probable.	
7-20	770	9	.01169	70			7									847	9	.01063	6.55	1.374	**7-20**
21-25	2,747	27	.00983	370	5	.01351	26			7						3,150	32	.01016	25.14	1.273	**21-25**
26-30	5,328	52	.00976	1,607	20	.01245	149	1	.00671	14			4			7,102	73	.01028	58.88	1.240	**26-30**
31-35	6,076	63	.01037	3,531	41	.01161	745	7	.00940	59	1	.01695	10			10,421	112	.01075	90.97	1.231	**31-35**
36-40	5,243	57	.01087	4,184	35	.00837	1,558	20	.01284	248	2	.00806	47			11,280	114	.01011	106.28	1.073	**36-40**
41-45	3,951	48	.01215	3,720	44	.01183	1,682	14	.00832	597	9	.01508	226	3	.01327	10,176	118	.01160	107.20	1.101	**41-45**
46-50	2,520	24	.00952	2,770	23	.00830	1,502	9	.00599	627	7	.01116	613	10	.01631	8,032	73	.00909	100.54	.726	**46-50**
51-55	1,261	12	.00952	1,829	32	.01750	982	15	.01527	578	10	.01730	768	5	.00651	5,418	74	.01366	88.11	.840	**51-55**
56-60	741	16	.02159	943	10	.01060	561	8	.01426	326	5	.01534	718	12	.01671	3,289	51	.01551	74.76	.682	**56-60**
61-65	269	7	.02602	551	16	.02904	313	8	.02556	150			464	11	.02371	1,747	42	.02404	58.34	.720	**61-65**
66-70	55	1	.01818	205	4	.01951	190	5	.02632	101	4	.03960	225	8	.03556	776	22	.02835	39.58	.556	**66-70**
71-75	11	1	.09091	41	2	.04878	66	2	.03030	68	4	.05882	108	6	.05556	294	15	.05102	22.89	.655	**71-75**
76-80	13	2	.15385	6			15	3	.20000	23	2	.08696	57	5	.08772	114	12	.10526	13.45	.892	**76-80**
81-85	2	1	.50000	5	2	.40000	4			6	1	.16666	8	3	.37500	25	7	.28000	4.56	1.535	**81-85**
86-90										3			6	2	.33333	9	2	.22222	3.08	.649	**86-90**
All,	28,987	320	.01104	19,832	234	.01180	7,800	92	.01179	2,807	45	.01603	3,254	65	.01998	62,680	756	.01206	800.33	.945	All.

TABLE XVI.

FEMALE LIVES INSURED UNDER PREMIUM PAYING LIFE AND ENDOWMENT POLICIES, ARRANGED BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	First to Fifth Year.			Sixth to Tenth Year.			Eleventh to Fifteenth Year.			Sixteenth to Twentieth Year.			Twenty-First to Thirty-First Year.			All Years.					Ages at Exposure.
	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths, American Table.	Ratio of Actual to Probable.	
7-20	708	8	.01130	56			7									771	8	.01038	5.96	1.342	**7-20**
21-25	2,628	25	.00951	326	5	.01534	24			7						2,985	30	.01005	23.83	1.259	**21-25**
26-30	5,111	50	.00978	1,392	20	.01437	136	1	.00735	14			4			6,657	71	.01067	55.19	1.286	**26-30**
31-35	5,851	61	.01043	3,056	35	.01145	654	5	.00765	59	1	.01695	10			9,630	102	.01059	84.06	1.213	**31-35**
36-40	5,028	55	.01094	3,558	32	.00899	1,347	17	.01262	248	2	.00806	47			10,228	106	.01036	96.36	1.100	**36-40**
41-45	3,808	47	.01234	3,140	37	.01178	1,459	11	.00754	587	9	.01533	226	3	.01327	9,220	107	.01161	97.13	1.102	**41-45**
46-50	2,416	24	.00993	2,329	16	.00687	1,299	8	.00616	617	7	.01135	612	10	.01634	7,273	65	.00894	91.05	.714	**46-50**
51-55	1,216	12	.00987	1,584	27	.01705	835	15	.01796	558	10	.01792	764	5	.00654	4,957	69	.01392	80.62	.856	**51-55**
56-60	722	16	.02216	804	9	.01119	492	7	.01423	316	5	.01582	702	11	.01567	3,036	48	.01581	69.01	.696	**56-60**
61-65	251	7	.02789	478	12	.02510	281	5	.01779	143			453	11	.02428	1,606	35	.02179	53.65	.652	**61-65**
66-70	55	1	.01818	185	3	.01622	180	5	.02778	101	4	.03960	219	7	.03196	740	20	.02703	37.73	.530	**66-70**
71-75	11	1	.09091	39	2	.05128	64	2	.03125	68	4	.05882	104	6	.05769	286	15	.05245	22.29	.673	**71-75**
76-80	13	2	.15385	6			15	3	.20000	23	2	.08696	54	5	.09259	111	12	.10811	13.05	.920	**76-80**
81-85	2	1	.50000	5	2	.40000	4			6	1	.16667	8	3	.37500	25	7	.28000	4.56	1.535	**81-85**
86-90										3			6	2	.33333	9	2	.22222	3.08	.649	**86-90**
All,	27,820	310	.01114	16,958	200	.01179	6,797	79	.01162	2,750	45	.01636	3,209	63	.01963	57,534	697	.01211	737.57	.945	All.

TABLE XVII.

FEMALE LIVES INSURED UNDER PAID-UP POLICIES ISSUED IN LIEU OF POLICIES SURRENDERED.

Ages at Exposure.	First to Fifth Year.			Sixth to Nineteenth Year.			All Years.					Ages at Exposure.
	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths, American Table.	Ratio of Actual to Probable.	
7-20	14			1			15			.12		7-20
21-25	66	2	.03030	6			72	2	.02778	.57	3.509	21-25
26-30	297			29			326			2.71		26-30
31-35	528	6	.01136	141	2	.01418	669	8	.01196	5.85	1.368	31-35
36-40	709	5	.00705	216	2	.00926	925	7	.00757	8.73	.802	36-40
41-45	652	7	.01074	236	3	.01271	888	10	.01126	9.36	1.068	41-45
46-50	494	8	.01619	183			677	8	.01182	8.47	.945	46-50
51-55	311	4	.01286	128			439	4	.00911	7.12	.562	51-55
56-60	170	2	.01176	79	2	.02532	249	4	.01606	5.67	.705	56-60
61-65	93	4	.04301	38	2	.05263	131	6	.04580	4.36	1.376	61-65
66-70	19	3	.15789	16			35	3	.08571	1.75	1.714	66-70
71-75	2			2			4			.28		71-75
76-80	2						2			.28		76-80
All,	3,357	41	.01221	1,075	11	.01023	4,432	52	.01173	55.27	.941	All.

TABLE XVIII.

FEMALE LIVES INSURED UNDER TERM POLICIES.

All Years.					Ages at Exposure.
Exposed.	Died.	Ratio of Died to Exposed.	Probable Deaths, American Table.	Ratio of Actual to Probable.	
60	1	.01667	.46	2.174	7-20
86			.68		21-25
100	2	.02000	.83	2.410	26-30
75	2	.02667	.65	3.077	31-35
74	1	.01351	.69	1.449	36-40
45	1	.02222	.47	2.128	41-45
42			.52		46-50
34	1	.02941	.55	1.818	51-55
10			.21		56-60
					61-65
					66-70
					71-75
					76-80
526	8	.01521	5.06	1.581	All.

TABLE XIX.

POLICIES ISSUED AND AMOUNTS INSURED ON MALE LIVES.

Age at Exposure	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Probable Losses, American Table.	
	Policies.	Amounts.	Policies.	Amounts.	Policies.	Amounts.	Policies.	Amounts.
7-10	18	$33,300					.13	$249
11	15	34,800					.11	262
12	23	76,950					.17	580
13	40	110,250	1	$2,000	.02500	.01814	.30	834
14	118	293,984	1	1,200	.00847	.00408	.90	2,233
15	198	511,134	1	1,300	.00505	.00254	1.51	3,901
16	297	714,984	2	2,000	.00673	.00280	2.27	5,477
17	489	1,107,936	6	10,000	.01227	.00903	3.76	8,518
18	719	1,591,713	5	11,000	.00695	.00691	5.55	12,298
19	1,132	2,472,643	19	37,450	.01678	.01515	8.79	19,200
20	1,804	3,895,391	17	31,700	.00942	.00814	14.08	30,400
21	2,959	6,785,915	26	40,650	.00879	.00599	23.24	53,303
22	4,249	10,140,580	34	95,528	.00800	.00942	33.59	80,171
23	5,779	14,298,592	43	106,065	.00744	.00742	45.99	113,788
24	7,494	19,249,489	53	101,425	.00707	.00527	60.03	154,208
25	9,436	24,817,309	71	163,194	.00752	.00658	76.09	200,127
26	11,418	30,491,715	77	185,830	.00674	.00609	92.83	247,898
27	13,563	36,958,389	103	272,817	.00759	.00738	111.16	302,911
28	15,719	43,430,855	108	277,689	.00687	.00639	129.90	358,913
29	17,940	50,192,537	138	387,283	.00769	.00772	149.69	418,807
30	20,126	56,891,967	123	375,390	.00611	.00660	169.58	479,372
31	21,932	62,248,152	137	362,575	.00625	.00582	186.64	529,732
32	23,822	67,406,599	172	499,202	.00722	.00741	205.04	580,169
33	25,628	72,621,889	196	543,182	.00765	.00748	223.40	633,045
34	27,158	76,841,155	193	548,132	.00711	.00713	239.81	678,507
35	28,511	80,598,602	218	604,289	.00765	.00750	255.06	721,035
36	29,448	83,762,876	197	588,886	.00669	.00703	267.62	761,237
37	30,281	86,350,174	227	662,346	.00750	.00767	279.61	797,358
38	30,806	88,068,536	236	728,677	.00766	.00827	289.82	828,549
39	31,147	89,400,254	266	769,745	.00854	.00861	298.58	856,991
40	31,247	90,064,820	287	884,154	.00918	.00982	306.03	882,095
41	31,011	89,941,826	233	674,851	.00751	.00750	310.36	900,138
42	30,728	89,213,667	275	807,054	.00895	.00905	315.02	914,619
43	30,084	87,450,695	293	846,693	.00974	.00968	316.39	919,719
44	29,317	85,417,321	258	739,655	.00880	.00866	317.47	924,984
45	28,346	83,308,909	261	819,310	.00921	.00983	316.43	929,977
46	27,492	81,083,595	303	995,592	.01102	.01228	317.86	937,489
47	26,335	77,784,294	271	765,911	.01029	.00985	316.02	933,412
48	25,284	75,195,660	279	833,232	.01103	.01108	316.28	940,623
49	23,945	71,743,637	246	762,866	.01027	.01063	313.82	940,272
50	22,655	68,219,262	248	712,756	.01095	.01045	312.21	940,130

TABLE XIX.—Continued.

POLICIES ISSUED AND AMOUNTS INSURED ON MALE LIVES.

Age at Exposure	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Probable Losses, American Table.	
	Policies.	Amounts.	Policies.	Amounts.	Policies.	Amounts.	Policies.	Amounts.
51	21,093	$63,531,889	279	$811,268	.01323	.01277	306.71	$923,817
52	19,950	59,863,719	253	848,125	.01268	.01417	307.01	921,243
53	18,571	55,519,336	267	834,185	.01438	.01503	303.32	906,797
54	17,155	51,249,148	277	770,422	.01615	.01503	298.43	891,530
55	15,658	46,539,533	261	874,050	.01667	.01878	290.79	864,286
56	14,243	41,934,407	261	874,798	.01832	.02086	283.22	833,866
57	12,979	38,133,160	231	724,440	.01780	.01900	276.91	813,571
58	11,561	33,848,556	220	674,213	.01903	.01992	265.16	776,350
59	10,364	29,836,679	217	636,663	.02094	.02134	256.20	737,563
60	9,168	26,105,694	208	641,760	.02269	.02458	244.72	696,839
61	8,018	22,401,460	205	624,827	.02557	.02789	231.56	646,954
62	6,957	19,302,024	178	508,362	.02559	.02634	217.70	603,999
63	6,021	16,560,196	167	508,268	.02774	.03069	204.37	562,103
64	5,190	13,928,123	189	563,312	.03642	.04044	191.37	513,572
65	4,380	11,463,168	162	412,115	.03699	.03595	175.77	460,005
66	3,595	9,345,286	131	342,697	.03644	.03667	157.13	408,454
67	2,943	7,503,541	113	324,108	.03840	.04319	140.23	357,521
68	2,366	5,827,833	106	271,544	.04480	.04659	123.04	303,059
69	1,869	4,506,510	94	271,065	.05029	.06015	106.09	255,799
70	1,478	3,482,863	70	197,253	.04736	.05664	91.63	215,913
71	1,137	2,678,693	60	139,815	.05277	.05220	76.94	181,254
72	892	2,018,854	61	123,495	.06839	.06117	65.77	148,856
73	672	1,513,133	37	89,122	.05506	.05890	53.88	121,320
74	525	1,188,587	33	92,677	.06286	.07797	45.69	103,440
75	419	910,222	34	75,200	.08115	.08262	39.54	85,899
76	334	719,045	30	61,364	.08982	.08534	34.17	73,566
77	254	537,381	24	41,200	.09449	.07667	28.21	59,684
78	183	404,636	22	45,250	.12022	.11183	22.11	48,891
79	137	310,399	22	56,769	.16058	.18289	18.05	40,890
80	92	195,696	9	17,525	.09783	.08955	13.29	28,271
81	74	152,704	12	23,700	.16216	.15520	11.74	24,220
82	56	112,004	6	10,854	.10714	.09691	9.76	19,522
83	45	91,150	8	13,900	.17778	.15250	8.62	17,461
84	35	74,750	6	21,150	.17143	.28294	7.40	15,799
85	24	46,600	4	5,000	.16667	.10730	5.65	10,977
86	18	35,600	2	4,000	.11111	.11236	4.78	9,458
87	11	22,600	1	1,000	.09091	.04425	3.33	6,848
88	9	17,600	2	3,000	.22222	.17045	3.12	6,102
89	5	6,600	1	1,000	.20000	.15152	1.98	2,613
90	3	2,600	3	2,600	1.00000	1.00000	1.36	1,182
All,	867,197	$2,482,744,335	9,890	$28,793,725	.01140	.01160	11,559.89	$32,743,025

TABLE XX.

POLICIES ISSUED AND AMOUNTS INSURED ON MALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Probable Losses, American Table.		Ratio of Actual to Probable.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	4,853	$10,843,085	52	$96,650	.01072	.00891	37.59	$83,952	1.383	1.151	**7-20**
21-25	29,917	75,291,885	227	506,862	.00759	.00673	238.95	601,597	.950	.843	**21-25**
26-30	78,766	217,965,463	549	1,499,009	.00697	.00688	653.17	1,807,901	.841	.829	**26-30**
31-35	127,051	359,716,397	916	2,557,380	.00721	.00711	1,109.94	3,142,488	.825	.814	**31-35**
36-40	152,929	437,646,660	1,213	3,633,808	.00793	.00830	1,441.67	4,126,230	.841	.881	**36-40**
41-45	149,486	435,332,418	1,320	3,887,563	.00883	.00893	1,575.67	4,589,437	.838	.847	**41-45**
46-50	125,711	374,026,448	1,347	4,070,357	.01072	.01088	1,576.19	4,691,926	.855	.868	**46-50**
51-55	92,427	276,703,625	1,337	4,138,050	.01447	.01495	1,506.26	4,507,673	.888	.918	**51-55**
56-60	58,315	169,858,496	1,137	3,551,874	.01950	.02091	1,326.21	3,858,189	.857	.921	**56-60**
61-65	30,566	83,654,971	901	2,616,884	.02948	.03128	1,020.77	2,786,633	.883	.939	**61-65**
66-70	12,251	30,666,033	514	1,406,667	.04196	.04587	618.10	1,540,746	.832	.913	**66-70**
71-75	3,645	8,309,489	225	520,309	.06173	.06262	281.82	640,769	.798	.812	**71-75**
76-80	1,000	2,167,157	107	222,108	.10700	.10249	115.83	251,302	.924	.884	**76-80**
81-85	234	477,208	36	74,604	.15385	.15633	43.17	87,979	.834	.848	**81-85**
86-90	46	85,000	9	11,600	.19565	.13647	14.58	26,203	.617	.443	**86-90**
All,	867,197	$2,482,744,335	9,890	$28,793,725	.01141	.01157	11,559.92	$32,743,025	.856	.879	All.

TABLE XXI.

PREMIUM PAYING LIFE AND ENDOWMENT POLICIES AND AMOUNTS ON MALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Probable Losses, American Table.		Ratio of Actual to Probable.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	4,393	$10,502,904	39	$86,900	.00888	.00827	34.02	$81,312	1.147	1.069	**7-20**
21-25	26,957	73,155,684	181	465,250	.00671	.00636	215.33	584,551	.841	.796	**21-25**
26-30	72,280	213,130,209	489	1,445,100	.00677	.00678	599.40	1,767,815	.816	.817	**26-30**
31-35	116,670	351,594,559	825	2,478,670	.00707	.00705	1,019.23	3,071,516	.809	.807	**31-35**
36-40	139,948	427,438,976	1,117	3,538,100	.00798	.00828	1,319.29	4,029,981	.847	.878	**36-40**
41-45	136,846	425,143,873	1,201	3,779,557	.00878	.00889	1,442.52	4,482,138	.833	.843	**41-45**
46-50	115,392	365,757,612	1,210	3,946,462	.01049	.01079	1,446.88	4,588,271	.836	.860	**46-50**
51-55	84,949	270,657,421	1,235	4,042,384	.01454	.01494	1,384.20	4,409,296	.892	.917	**51-55**
56-60	53,581	166,609,806	1,054	3,465,413	.01967	.02080	1,218.84	3,784,732	.865	.916	**56-60**
61-65	28,295	82,170,960	848	2,578,710	.02997	.03138	944.92	2,737,186	.897	.942	**61-65**
66-70	11,336	30,085,196	484	1,386,700	.04270	.04609	572.12	1,511,484	.846	.917	**66-70**
71-75	3,480	8,197,620	216	513,750	.06207	.06267	269.46	632,459	.802	.812	**71-75**
76-80	983	2,154,309	106	221,539	.10783	.10284	113.78	249,784	.932	.887	**76-80**
81-85	226	471,000	32	72,250	.14159	.15340	41.85	86,950	.765	.831	**81-85**
86-90	46	85,000	9	11,600	.19565	.13647	14.58	26,203	.617	.443	**86-90**
All,	795,382	$2,427,155,129	9,046	$28,032,385	.01137	.01155	10,636.42	$32,043,678	.850	.875	All.

TABLE XXII.

PREMIUM PAYING LIFE POLICIES AND AMOUNTS ON MALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	2,840	$7,467,325	28	$66,900	21.99	$57,813	1.273	1.157	**7-20**
21-25	19,889	58,055,344	134	374,150	158.93	464,021	.843	.806	**21-25**
26-30	59,974	183,134,691	425	1,303,150	497.48	1,519,306	.854	.858	**26-30**
31-35	101,917	312,017,559	759	2,269,170	890.51	2,726,089	.852	.832	**31-35**
36-40	126,333	388,844,686	1,033	3,271,300	1,191.18	3,666,590	.867	.892	**36-40**
41-45	125,990	392,038,758	1,146	3,597,557	1,328.33	4,133,750	.863	.870	**41-45**
46-50	107,675	341,319,662	1,156	3,769,762	1,350.41	4,282,626	.856	.880	**46-50**
51-55	80,364	254,866,521	1,191	3,894,784	1,310.02	4,153,164	.909	.938	**51-55**
56-60	51,601	159,131,106	1,024	3,351,913	1,174.63	3,617,643	.872	.927	**56-60**
61-65	27,759	80,193,510	836	2,521,710	927.50	2,672,783	.901	.943	**61-65**
66-70	11,278	29,858,696	480	1,360,700	569.29	1,500,651	.843	.907	**66-70**
71-75	3,480	8,197,620	216	513,750	269.46	632,459	.802	.812	**71-75**
76-80	983	2,154,309	106	221,539	113.78	249,784	.932	.887	**76-80**
81-85	226	471,000	32	72,250	41.85	86,950	.765	.831	**81-85**
86-90	46	85,000	9	11,600	14.58	26,203	.617	.443	**86-90**
All,	720,355	$2,217,835,787	8,575	$26,600,235	9,859.94	$29,789,832	.870	.893	All.

TABLE XXIII.

PREMIUM PAYING ENDOWMENT POLICIES AND AMOUNTS ON MALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	1,553	$3,035,579	11	$20,000	12.03	$23,499	.914	.851	**7-20**
21-25	7,068	15,100,340	47	91,100	56.40	120,530	.833	.756	**21-25**
26-30	12,306	29,995,518	64	141,950	101.92	248,509	.628	.571	**26-30**
31-35	14,753	39,577,000	66	209,500	128.72	345,427	.513	.606	**31-35**
36-40	13,615	38,594,290	84	266,800	128.11	363,391	.656	.734	**36-40**
41-45	10,856	33,105,115	55	182,000	114.19	348,388	.482	.522	**41-45**
46-50	7,717	24,437,950	54	176,700	96.47	305,645	.560	.578	**46-50**
51-55	4,585	15,790,900	44	147,600	74.18	256,132	.593	.576	**51-55**
56-60	1,980	7,478,700	30	113,500	44.21	167,089	.679	.679	**56-60**
61-65	536	1,977,450	12	57,000	17.42	64,403	.689	.885	**61-65**
66-70	58	226,500	4	26,000	2.83	10,833	1.413	2.400	**66-70**
All,	75,027	$209,319,342	471	$1,432,150	776.48	$2,253,846	.607	.635	All.

TABLE XXIV.

PAID-UP POLICIES AND AMOUNTS ON MALE LIVES, ISSUED IN LIEU OF POLICIES SURRENDERED. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Died to Exposed.		Probable Losses, American Table.		Ratio of Actual to Probable.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	122	$56,181					.95	$436			**7-20**
21-25	1,027	495,341	9	$9,262	.00876	.01870	8.21	3,961	1.096	2.338	**21-25**
26-30	4,079	2,038,543	32	23,159	.00785	.01136	33.86	16,929	.945	1.368	**26-30**
31-35	8,221	4,986,751	57	36,385	.00693	.00730	71.89	43,632	.793	.834	**31-35**
36-40	11,187	7,210,284	75	63,708	.00670	.00884	105.51	68,032	.711	.936	**36-40**
41-45	11,373	7,770,945	96	80,206	.00844	.01032	119.85	81,859	.801	.980	**41-45**
46-50	9,407	6,374,786	118	98,245	.01254	.01541	117.90	79,899	1.008	1.230	**46-50**
51-55	6,958	4,899,204	90	65,666	.01293	.01340	113.68	79,963	.792	.821	**51-55**
56-60	4,563	2,977,040	79	81,961	.01731	.02753	103.58	67,447	.763	1.215	**56-60**
61-65	2,246	1,441,411	51	37,074	.02271	.02572	75.06	48,098	.679	.771	**61-65**
66-70	911	570,837	30	19,967	.03293	.03498	45.77	28,733	.655	.695	**66-70**
71-75	165	111,869	9	6,559	.05455	.05863	12.35	8,311	.729	.789	**71-75**
76-80	17	12,848	1	569	.05882	.04429	2.06	1,517	.485	.375	**76-80**
81-85	8	6,208	4	2,354	.50000	.37919	1.32	1,029	3.030	2.288	**81-85**
All,	60,284	$38,952,248	651	$525,115	.01080	.01348	811.99	$529,846	.802	.991	All.

TABLE XXV.

TERM POLICIES AND AMOUNTS ON MALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Died to Exposed.		Probable Losses, American Table.		Ratio of Actual to Probable.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	338	$284,000	13	$9,750	.03846	.03433	2.63	$2,203	4.943	4.426	**7-20**
21-25	1,933	1,640,860	37	32,350	.01914	.01972	15.41	13,087	2.401	2.472	**21-25**
26-30	2,407	2,796,711	28	30,750	.01163	.01100	19.92	23,157	1.406	1.328	**26-30**
31-35	2,160	3,135,087	34	42,325	.01574	.01350	18.82	27,342	1.807	1.548	**31-35**
36-40	1,794	2,997,400	21	32,000	.01171	.01068	16.87	28,216	1.245	1.134	**36-40**
41-45	1,267	2,417,600	23	27,800	.01815	.01150	13.31	25,440	1.728	1.093	**41-45**
46-50	912	1,894,050	19	25,650	.02083	.01354	11.41	23,756	1.665	1.080	**46-50**
51-55	520	1,147,000	12	30,000	.02308	.02616	8.38	18,414	1.432	1.629	**51-55**
56-60	171	271,650	4	4,500	.02339	.01657	3.80	6,011	1.053	.749	**56-60**
61-65	25	42,600	2	1,100	.08000	.02582	.78	1,348	2.564	.816	**61-65**
66-70	4	10,000					.22	531			**66-70**
71-75											**71-75**
76-80											**76-80**
81-85											**81-85**
All,	11,531	$16,636,958	193	$236,225	.01674	.01420	111.55	$169,505	1.730	1.394	All.

TABLE XXVI. (a)

PREMIUM PAYING LIFE POLICIES AND AMOUNTS ON MALE LIVES, BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.	
		Number.	Amount.	No.	Amount.	Number.	Amount.	No.	Amt.
7-20	1-5	2,686	$6,978,625	27	$63,900	20.80	$54,021	1.298	1.183
	6-10	148	476,700	1	3,000	1.14	3,698	.877	.811
	11-15	6	12,000			.05	94		
21-30	1-5	69,145	209,317,591	441	1,306,000	567.66	1,719,171	.777	.760
	6-10	9,995	30,050,614	107	337,800	82.75	249,056	1.293	1.356
	11-15	692	1,745,830	11	33,500	5.72	14,467	1.923	2.316
	16-20	30	71,000			.26	589		
	21-25	1	5,000			.01	42		
31-40	1-5	143,234	446,334,086	1,021	3,222,895	1,299.19	4,051,694	.786	.795
	6-10	66,043	200,394,263	582	1,778,425	605.47	1,836,016	.961	.969
	11-15	17,325	50,059,941	175	511,850	161.44	466,362	1.084	1.098
	16-20	1,489	3,731,475	12	22,300	14.08	35,380	.852	.630
	21-25	144	310,080	2	5,000	1.37	2,923	1.460	1.711
	26-32	15	32,400			.15	302		
41-50	1-5	99,828	338,969,569	876	2,955,095	1,133.34	3,857,957	.773	.766
	6-10	75,418	236,859,633	791	2,615,437	862.54	2,718,548	.917	.962
	11-15	41,665	114,517,474	444	1,254,087	481.68	1,324,329	.922	.947
	16-20	12,561	32,720,144	142	418,750	149.23	388,041	.952	1.079
	21-25	3,729	9,275,675	43	111,950	46.02	114,579	.934	.977
	26-32	464	1,015,925	6	12,000	5.92	12,925	2.397	.862
51-60	1-5	38,078	133,688,479	586	2,176,860	700.32	2,453,313	.837	.887
	6-10	39,377	133,039,982	756	2,619,853	734.75	2,483,577	1.029	1.055
	11-15	27,111	80,081,102	400	1,193,562	513.35	1,520,082	.779	.785
	16-20	13,233	33,628,789	241	653,462	252.46	644,036	.955	1.015
	21-25	9,814	23,370,615	159	424,100	193.43	459,003	.822	.924
	26-32	4,352	10,188,660	73	178,860	90.32	210,799	.808	.848
61-70	1-5	5,464	17,688,908	126	380,700	187.71	607,017	.671	.627
	6-10	10,284	33,489,631	361	1,273,750	387.52	1,253,660	.932	1.016
	11-15	8,762	24,282,442	302	890,510	341.39	938,041	.885	.949
	16-20	5,154	12,868,975	183	453,750	202.72	502,045	.903	.904
	21-25	5,275	12,436,395	214	568,800	210.54	493,496	1.016	1.153
	26-32	4,098	9,285,855	130	314,900	166.86	379,173	.779	.830
71-80	1-5	39	90,100	2	2,800	3.00	6,861	.667	.408
	6-10	300	873,850	18	42,400	23.07	66,576	.780	.637
	11-15	939	2,328,728	59	138,100	74.76	184,299	.789	.749
	16-20	924	2,071,181	56	119,564	81.41	181,316	.688	.659
	21-25	1,208	2,649,200	98	219,100	106.54	232,813	.920	.941
	26-32	1,053	2,338,870	89	213,325	94.44	210,381	.942	1.014
81-90	11-15	9	26,200	3	6,200	1.54	4,693	1.948	1.321
	16-20	31	48,550	5	14,000	5.64	8,875	.887	1.577
	21-25	105	209,650	15	24,650	20.41	39,507	.735	.624
	26-32	127	271,600	18	39,000	28.85	60,073	.624	.649

TABLE XXVI. (b)

PREMIUM PAYING LIFE POLICIES AND AMOUNTS ON MALE LIVES, BY YEARS OF INSURANCE.

Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.		Years of Insurance.
	Number.	Amount.	No.	Amount.	Number.	Amount.	No.	Amt.	
1	95,883	$305,676,243	667	$2,143,805	983.84	$3,174,520	.678	.675	1
2	79,125	255,580,600	659	2,161,590	839.87	2,748,227	.785	.787	2
3	68,818	222,597,917	588	1,824,500	756.41	2,479,655	.777	.736	3
4	60,818	196,447,010	597	2,019,155	693.60	2,271,509	.861	.889	4
5	53,830	172,765,588	568	1,959,200	638.30	2,076,123	.890	.944	5
1-5	358,474	1,153,067,358	3,079	10,108,250	3,912.02	12,750,034	.787	.793	1-5
6	48,707	155,283,899	614	2,118,540	602.18	1,946,799	1.020	1.088	6
7	44,346	140,734,239	520	1,700,973	571.80	1,839,288	.909	.925	7
8	40,141	126,548,441	554	1,846,197	540.82	1,727,860	1.024	1.068	8
9	35,907	112,423,806	500	1,621,905	505.14	1,603,290	.990	1.012	9
10	32,464	100,194,288	428	1,383,050	477.30	1,493,894	.897	.926	10
6-10	201,565	635,184,673	2,616	8,670,665	2,697.24	8,611,131	.970	1.007	6-10
11	28,448	85,411,831	377	1,147,262	436.16	1,322,872	.864	.867	11
12	23,774	68,970,997	322	1,046,100	379.06	1,102,731	.849	.949	12
13	18,653	50,883,842	276	766,537	309.94	840,622	.890	.912	13
14	14,646	39,020,056	236	622,810	254.49	670,146	.927	.929	14
15	10,988	28,766,991	183	445,100	200.28	515,996	.914	.863	15
11-15	96,509	273,053,717	1,394	4,027,809	1,579.93	4,452,367	.882	.905	11-15
16	8,440	21,974,189	153	411,500	160.72	412,994	.952	.996	16
17	7,380	19,050,334	165	454,762	148.81	377,567	1.109	1.204	17
18	6,627	16,862,607	108	288,050	141.43	353,911	.764	.814	18
19	5,798	14,500,532	119	298,964	130.82	318,900	.910	.937	19
20	5,177	12,752,452	94	228,550	124.02	296,910	.758	.770	20
16-20	33,422	85,140,114	639	1,681,826	705.80	1,760,282	.905	.955	16-20
21	4,723	11,465,427	107	282,700	120.01	283,381	.892	.998	21
22	4,389	10,553,627	107	281,400	117.69	276,637	.909	1.017	22
23	4,064	9,652,327	99	256,150	116.18	268,831	.852	.953	23
24	3,739	8,792,927	121	301,750	114.59	263,116	1.056	1.147	24
25	3,361	7,792,307	97	231,600	109.85	250,398	.883	.925	25
21-25	20,276	48,256,615	531	1,353,600	578.32	1,342,363	.918	1.008	21-25
26	3,062	7,055,957	98	251,650	106.58	241,646	.919	1.041	26
27	2,737	6,279,757	77	185,550	101.99	230,742	.755	.804	27
28	2,216	5,072,257	60	146,810	88.77	200,341	.676	.733	28
29	1,374	3,156,777	47	98,475	57.12	131,297	.823	.750	29
30	545	1,205,812	24	54,000	23.66	52,231	1.014	1.034	30
31	162	335,750	9	16,600	7.85	16,032	1.146	1.035	31
32	13	27,000	1	5,000	.57	1,364	1.754	3.666	32
26-32	10,109	23,133,310	316	758,085	386.54	873,653	.818	.868	26-32
All,	720,355	$2,217,835,787	8,575	$26,600,235	9,859.85	$29,789,830	.870	.893	All.

TABLE XXVII. (a)

PREMIUM PAYING ENDOWMENT POLICIES AND AMOUNTS ON MALE LIVES, BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.	
		Number.	Amount.	No.	Amount.	Number.	Amount.	Number.	Amount.
7-20	1-5	1,484	$2,921,579	11	$20,000	11.48	$22,614	.958	.884
	6-10	69	114,000			.55	886		
21-30	1-5	15,876	37,498,947	88	183,250	129.47	306,276	.680	.598
	6-10	3,383	7,356,695	22	47,800	27.90	60,766	.789	.787
	11-29	115	240,216	1	2,000	.94	1,996	1.064	1.002
31-40	1-5	17,602	49,784,540	86	322,000	158.77	449,939	.542	.716
	6-10	9,611	25,419,000	52	127,300	87.47	231,601	.594	.550
	11-29	1,155	2,967,750	12	27,000	10.61	27,276	1.131	.990
41-50	1-5	9,202	29,658,125	54	184,100	103.76	334,911	.520	.550
	6-10	7,871	23,746,855	47	152,500	89.68	271,338	.524	.562
	11-29	1,500	4,138,085	8	22,100	17.19	47,781	.465	.463
51-60	1-5	2,350	9,207,650	18	79,800	40.99	161,089	.439	.495
	6-10	3,383	11,542,800	46	160,100	61.89	214,750	.743	.746
	11-29	832	2,519,150	10	21,200	15.50	47,377	.645	.447
61-70	1-5	106	362,950	2	3,000	3.50	11,930	.571	.251
	6-10	384	1,461,500	13	78,000	13.33	50,680	.975	1.539
	11-29	104	379,500	1	2,000	3.43	12,626	.292	.158

TABLE XXVII. (b)

PREMIUM PAYING ENDOWMENT POLICIES AND AMOUNTS ON MALE LIVES, BY YEARS OF INSURANCE.

Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses. American Table.		Ratio of Actual to Probable.		Years of Insurance.
	Number.	Amount.	No.	Amount.	Number.	Amount.	Number.	Amount.	
1	12,400	$33,820,537	70	$209,150	113.70	318,772	.616	.656	1
2	10,425	29,050,810	49	152,100	98.16	282,041	.499	.539	2
3	8,952	25,017,248	50	148,300	86.40	249,996	.579	.593	3
4	7,904	22,131,623	42	146,600	78.53	228,253	.535	.642	4
5	6,939	19,413,573	48	136,000	71.18	207,697	.674	.655	5
1-5	46,620	129,433,791	259	792,150	447.97	1,286,759	.578	.616	1-5
6	6,303	17,647,978	48	144,900	66.88	195,634	.718	.741	6
7	5,773	16,168,998	37	103,500	63.37	185,249	.584	.559	7
8	5,076	14,230,878	27	89,500	58.06	170,151	.465	.526	8
9	4,185	11,984,348	28	77,000	50.24	151,702	.557	.508	9
10	3,364	9,608,648	40	150,800	42.27	127,285	.946	1.185	10
6-10	24,701	69,640,850	180	565,700	280.82	830,021	.641	.682	6-10
11-29	3,706	10,244,701	32	74,300	47.67	137,056	.671	.542	11-29
All,	75,027	209,319,342	471	1,432,150	776.46	2,253,836	.607	.635	All.

TABLE XXVIII. (a)

PAID POLICIES AND AMOUNTS ON MALE LIVES ISSUED IN LIEU OF POLICIES SURRENDERED, BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.	
		Number.	Amount.	No.	Amount.	Number.	Amount.	Number.	Amount.
7-20	1-5	122	$56,181			.95	$435		
21-30	1-5	4,657	2,347,124	38	$31,109	38.34	19,345	.991	1.608
	6-10	443	184,377	3	1,312	3.68	1,524	.815	.861
	11-19	6	2,383			.05	20		
31-40	1-5	15,486	10,238,650	110	91,402	141.27	93,603	.779	.976
	6-10	3,795	1,901,813	20	8,231	34.93	17,534	.573	.469
	11-19	127	56,572	2	460	1.18	527	1.695	.873
41-50	1-5	15,230	11,198,147	166	138,632	174.18	127,845	.953	1.084
	6-10	5,284	2,830,552	48	39,819	60.49	32,550	.794	1.223
	11-19	266	117,032			3.08	1,363		
51-60	1-5	8,437	6,186,531	121	114,041	158.55	115,152	.763	.990
	6-10	2,922	1,601,385	48	33,586	55.69	30,544	.862	1.100
	11-19	162	88,328			3.02	1,716		
61-70	1-5	2,212	1,552,890	58	45,541	84.38	59,406	.687	.767
	6-10	883	428,716	23	11,500	33.99	16,242	.677	.708
	11-19	62	30,642			2.47	1,183		
71-80	1-5	99	68,406	8	6,301	7.92	5,235	1.010	1.204
	6-10	73	45,846	2	827	5.47	3,517	.366	.235
	11-19	10	10,465			1.01	1,077		
81-90	1-5	6	4,208	4	2,354	.98	696	4.082	3.382
	6-10								
	11-19	2	2,000			.33	333		

TABLE XXVIII. (b)

PAID POLICIES AND AMOUNTS ON MALE LIVES, ISSUED IN LIEU OF POLICIES SURRENDERED, BY YEARS OF INSURANCE.

Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.		Years of Insurance.
	Number.	Amount.	No.	Amount.	Number.	Amount.	Number.	Amount.	
1	13,319	$10,092,168	141	$154,829	168.48	$130,262	.837	1.189	1
2	10,711	7,469,509	115	82,754	138.30	98,047	.832	.844	2
3	8,944	5,933,946	99	81,613	118.28	79,836	.837	1.022	3
4	7,389	4,664,924	84	64,169	100.13	64,716	.839	.992	4
5	5,886	3,491,590	66	46,015	81.38	48,856	.811	.942	5
1-5	46,249	31,652,137	505	429,380	606.57	421,717	.833	1.018	1-5
6	4,536	2,498,666	61	49,745	63.81	35,150	.956	1.415	6
7	3,380	1,780,805	34	25,004	48.41	25,778	.702	.970	7
8	2,654	1,327,986	20	9,099	38.98	19,605	.513	.464	8
9	1,826	890,261	14	6,366	27.63	13,569	.507	.469	9
10	1,004	494,971	15	5,061	15.42	7,809	.973	.648	10
6-10	13,400	6,992,689	144	95,275	194.25	101,911	.741	.935	6-10
11-19	635	307,422	2	460	11.14	6,219	.180	.074	11-19
All,	60,284	$38,952,248	651	$525,115	811.96	$529,847	.802	.991	All.

TABLE XXIX. (a)

TERM POLICIES AND AMOUNTS ON MALE LIVES, BY GROUPS OF AGES AND OF YEARS OF INSURANCE.

Ages at Exposure.	Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.	
		Number.	Amount.	No.	Amount.	Number.	Amount.	Number.	Amount.
7-20	1-5	334	$277,000	13	$9,750	2.60	$2,149	5.000	4.537
	6-10	4	7,000			.04	54		
21-30	1-5	4,082	4,186,571	63	61,900	33.21	34,175	1.897	1.811
	6-10	258	251,000	2	1,200	2.13	2,068	.939	.580
31-40	1-5	3,471	5,428,737	49	63,325	31.32	49,152	1.564	1.288
	6-10	483	703,750	6	11,000	4.40	6,405	1.364	1.717
41-50	1-5	1,853	3,648,000	38	45,950	21.05	41,635	1.805	1.104
	6-10	326	663,650	4	7,500	3.68	7,559	1.087	.992
51-60	1-5	560	1,150,300	13	29,500	9.84	19,721	1.321	1.496
	6-10	131	268,350	3	5,000	2.34	4,701	1.282	1.064
61-70	1-5	18	31,400	2	1,100	.66	1,186	3.030	.927
	6-10	11	21,200			.34	694		

TABLE XXIX. (b)

TERM POLICIES AND AMOUNTS ON MALE LIVES, BY YEARS OF INSURANCE.

Years of Insurance.	Exposed.		Ceased by Death.		Probable Losses, American Table.		Ratio of Actual to Probable.		Years of Insurance.
	Number.	Amount.	No.	Amount.	Number.	Amount.	Number.	Amount.	
1	4,053	$5,313,247	98	$104,625	37.53	$51,466	2.611	2.033	1
2	2,468	3,448,737	34	44,650	23.36	34,127	1.455	1.308	2
3	1,652	2,513,062	16	20,950	16.05	25,640	.977	.817	3
4	1,207	1,930,737	19	29,600	12.12	20,386	1.568	1.452	4
5	938	1,516,225	11	11,700	9.62	16,399	1.143	.713	5
1-5	10,318	14,722,008	178	211,525	98.68	148 018	1.804	1.429	1-5
6-10	1,213	1,914,950	15	24,700	12.93	21,481	1.160	1.150	6-10
All,	11,531	$16,636,958	193	$236,225	111.61	$169,499	1.729	1.394	All.

TABLE XXX.

PREMIUM PAYING LIFE POLICIES AND AMOUNTS ON FEMALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	664	$1,677,960	8	$16,000	.01205	.00954	7-20
21-25	2,739	6,434,193	26	55,200	.00949	.00858	21-25
26-30	6,109	13,874,748	67	160,000	.01097	.01153	26-30
31-35	8,936	20,483,770	94	195,279	.01052	.00953	31-35
36-40	9,638	21,833,302	103	242,300	.01069	.01110	36-40
41-45	8,798	19,498,312	109	237,650	.01239	.01219	41-45
46-50	6,999	15,197,101	65	122,850	.00929	.00808	46-50
51-55	4,850	10,510,043	69	171,450	.01423	.01631	51-55
56-60	3,025	6,226,265	50	88,050	.01653	.01414	56-60
61-65	1,665	3,419,755	37	90,625	.02222	.02650	61-65
66-70	791	1,459,602	21	33,500	.02655	.02295	66-70
71-75	294	515,650	15	36,000	.05102	.06981	71-75
76-80	113	170,500	13	17,000	.11504	.09971	76-80
81-85	25	40,400	7	10,900	.28000	.26980	81-85
86-90	9	10,500	2	2,300	.22222	.21905	86-90
All,	54,655	$121,352,101	686	$1,479,104	.01255	.01219	All.

TABLE XXXI.

PREMIUM PAYING ENDOWMENT POLICIES AND AMOUNTS ON FEMALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	140	$169.500					7-20
21-25	308	512,528	6	$7,507	.01948	.01465	21-25
26-30	674	1,195,400	5	11,000	.00742	.00920	26-30
31-35	888	1,614,000	9	19,000	.01014	.01177	31-35
36-40	795	1,496,350	4	6,000	.00503	.00401	36-40
41-45	616	1,282,525	2	6,000	.00325	.00468	41-45
46-50	438	938,125	2	2,000	.00457	.00213	46-50
51-55	221	544,500					51-55
56-60	100	323,500					56-60
61-65	27	97,000					61-65
66-70							66-70
71-75							71-75
76-80							76-80
81-85							81-85
86-90							86-90
All,	4,207	$8,173,428	28	$51,507	.00666	.00630	All.

TABLE XXXII.

PAID-UP POLICIES AND AMOUNTS ON FEMALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	15	$6,281					7-20
21-25	72	26,857	2	$545	.02778	.02029	21-25
26-30	331	149,090					26-30
31-35	682	242,266	8	3,069	.01173	.01267	31-35
36-40	944	354,886	7	1,422	.00742	.00401	36-40
41-45	913	335,869	10	5,463	.01095	.01627	41-45
46-50	690	236,626	8	3,677	.01159	.01554	46-50
51-55	440	142,832	4	704	.00909	.00493	51-55
56-60	263	120,471	5	1,405	.01901	.01166	56-60
61-65	134	49,890	7	2,618	.05224	.05248	61-65
66-70	34	11,104	3	1,297	.08824	.11680	66-70
71-75	4	922					71-75
76-80	2	1,176					76-80
81-85							81-85
86-90							86-90
All,	4,524	$1,678,270	54	$20,200	.01194	.01204	All.

TABLE XXXIII.

TERM POLICIES AND AMOUNTS ON FEMALE LIVES. SUMMARY BY GROUPS OF AGES.

Ages at Exposure.	Exposed.		Ceased by Death.		Ratio of Ceased by Death to Exposed.		Ages at Exposure.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-20	60	$63,700	1	$4,000	.01667	.06279	7-20
21-25	86	101,650					21-25
26-30	102	147,760	3	3,140	.02941	.02125	26-30
31-35	75	161,300	2	6,500	.02667	.04030	31-35
36-40	74	125,400	1	5,000	.01351	.03987	36-40
41-45	45	63,700	1	1,000	.02222	.01570	41-45
46-50	42	46,250					46-50
51-55	34	36,800	1	500	.02941	.01359	51-55
56-60	10	12,200					56-60
61-65							61-65
66-70							66-70
71-75							71-75
76-80							76-80
81-85							81-85
86-90							86-90
All,	528	$758,760	9	$20,140	.01705	.02654	All.

TABLE XXXIV.

DISCONTINUED PREMIUM PAYING LIFE POLICIES ON MALE LIVES.

SUMMARY BY YEARS OF INSURANCE.

Years of Insurance.	Exposed Less Died.		Discontinued.		Per Cent. Discontinued.		Years of Insurance.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
1	95,216	$303,532,438	14,070	$41,273,488	14.78	13.60	1
2	78,466	253,419,010	7,623	23,890,060	9.72	9.43	2
3	68,230	220,773,417	5,591	17,956,257	8.19	8.13	3
4	60,221	194,427,855	4,403	14,127,567	7.31	7.27	4
5	53,262	170,806,388	3,030	9,748,889	5.69	5.71	5
6	48,093	153,165,359	2,206	7,090,300	4.59	4.63	6
7	43,826	139,033,266	1,867	5,978,075	4.26	4.30	7
8	39,587	124,702,244	1,445	4,775,374	3.65	3.83	8
9	35,407	110,801,901	1,127	3,945,848	3.18	3.56	9
10	32,036	98,811,238	831	2,801,781	2.59	2.84	10
11	28,071	84,264,569	746	2,412,525	2.66	2.86	11
12	23,452	67,924,897	568	1,886,879	2.42	2.78	12
13	18,377	50,117,305	358	1,017,200	1.95	2.03	13
14	14,410	38,397,246	246	692,200	1.71	1.80	14
15	10,805	28,321,891	166	455,250	1.54	1.61	15
16	8,287	21,562,689	84	249,850	1.01	1.16	16
17	7,215	18,595,572	63	183,700	.87	.99	17
18	6,519	16,574,557	49	122,550	.75	.74	18
19	5,679	14,201,568	35	91,800	.62	.65	19
20	5,083	12,523,902	30	82,175	.59	.66	20
21	4,616	11,182,727	25	61,750	.54	.55	21
22	4,282	10,272,227	18	53,100	.42	.52	22
23	3,965	9,396,177	12	37,950	.30	.40	23
24-32	16,675	38,427,109	47	118,300	.28	.31	24-32
All,	711,780	$2,191.235,552	44,640	$139,052,868	6.27	6.35	All.

SUMMARY BY AGES AT ISSUE.

Ages at Issue.	Exposed Less Died.		Discontinued.		Per Cent. Discontinued.		Ages at Issue.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-25	61,700	$180,120,610	4,880	$14,264,775	7.91	7.92	7-25
26-35	276,454	815,892,290	17,763	53,396,805	6.43	6.54	26-35
36-45	244,470	767,671,594	14,705	46,859,100	6.02	6.10	36-45
46-55	106,701	355,770,326	6,155	20,790,853	5.77	5.84	46-55
56 and Over.	22,455	71,780,732	1,137	3,741,335	5.06	5.21	56 and Over.
All,	711,780	$2,191,235,552	44,640	$139,052,868	6.27	6.35	All.

TABLE XXXV.

DISCONTINUED PREMIUM PAYING ENDOWMENT POLICIES ON MALE LIVES.

SUMMARY BY YEARS OF INSURANCE.

Years of Insurance.	Exposed Less Died and Expired.		Discontinued.		Per Cent. Discontinued.		Years of Insurance.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
1	12,330	$33,611,387	1,709	$4,018,077	13.86	11.95	1
2	10,376	28,898,710	1,274	3,490,712	12.28	12.08	2
3	8,902	24,868,948	854	2,368,825	9.59	9.53	3
4	7,862	21,985,023	725	2,053,450	9.22	9.34	4
5	6,890	19,277,073	424	1,168,895	6.15	6.06	5
6	6,253	17,499,078	307	855,080	4.91	4.89	6
7	5,735	16,063,998	297	845,720	5.18	5.26	7
8	5,044	14,130,678	246	690,630	4.88	4.89	8
9	4,132	11,820,348	232	752,600	5.61	6.37	9
10	2,999	8,399,548	143	368,425	4.77	4.39	10
11	2,034	5,705,763	87	230,050	4.28	4.03	11
12	1,000	2,777,288	48	143,350	4.80	5.16	12
13	298	740,100	13	28,200	4.36	3.81	13
14-29	120	269,750	1	2,500	.83	.93	14-29
All,	73,975	$206,047,692	6,360	$17,016,514	8.60	8.26	All.

SUMMARY BY AGES AT ISSUE.

Ages at Issue.	Exposed Less Died and Expired.		Discontinued.		Per Cent. Discontinued.		Ages at Issue.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-25	16,231	$36,396,051	1,870	$4,190,805	11.52	11.51	7-25
26-35	30,535	81,837,516	2,725	7,160,584	8.92	8.75	26-35
36-45	19,758	61,266,575	1,333	4,077,925	6.75	6.66	36-45
46-55	6,974	24,835,150	403	1,491,200	5.78	6.00	46-55
56 and Over.	477	1,712,400	29	96,000	6.08	5.61	56 and Over.
All,	73,975	$206,047,692	6,360	$17,016,514	8.60	8.26	All.

TABLE XXXVI.

PREMIUM PAYING LIFE POLICIES ON MALE LIVES.
PER CENT. DISCONTINUED OF BUSINESS TAKEN IN YEARS STATED.

SUMMARY BY YEARS OF INSURANCE.

Years of Insurance.	1846-1864.		1865-1869.		1870-1877.		1846-1877.		Years of Insurance.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
1	12.13	11.13	14.33	12.98	18.39	16.60	14.78	13.60	1
2	8.48	8.14	9.32	9.04	11.99	11.34	9.72	9.43	2
3	7.06	6.89	7.98	7.85	10.36	10.11	8.19	8.13	3
4	5.64	5.49	7.98	7.66	9.00	8.91	7.31	7.27	4
5	5.17	5.24	5.44	5.35	7.58	7.50	5.69	5.71	5
6	4.08	4.10	4.35	4.37	6.89	6.73	4.59	4.63	6
7	3.57	3.46	4.28	4.36	6.97	6.69	4.26	4.30	7
8	2.70	2.73	4.11	4.22	6.96	6.94	3.65	3.83	8
9	2.24	2.31	4.06	4.44			3.18	3.56	9
10	1.78	1.77	3.46	3.69			2.59	2.84	10
11	1.95	1.99	3.59	3.76			2.66	2.86	11
12	1.72	1.88	3.76	4.15			2.42	2.78	12
13	1.71	1.77	2.99	3.02			1.95	2.03	13
14-32	.89	.98					.89	.98	14-32
All,	4.10	4.04	7.00	6.81	12.05	11.29	6.27	6.35	All.

SUMMARY BY AGES AT ISSUE.

Ages at Issue.	1846-1864.		1865-1869.		1870-1877.		1846-1877.		Ages at Issue.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-25	5.75	5.68	8.09	8.12	12.51	12.43	7.91	7.92	7-25
26-35	4.25	4.21	7.62	7.61	11.80	11.08	6.43	6.54	26-35
36-45	3.85	3.74	6.77	6.52	12.56	11.64	6.02	6.10	36-45
46-55	3.56	3.58	6.25	5.80	11.41	10.72	5.77	5.84	46-55
56 and Over.	2.83	2.73	4.60	4.73	11.41	10.12	5.06	5.21	56 and Over.
All,	4.10	4.04	7.00	6.81	12.05	11.29	6.27	6.35	All.

TABLE XXXVII.

PREMIUM PAYING ENDOWMENT POLICIES ON MALE LIVES.
PER CENT. DISCONTINUED OF BUSINESS TAKEN IN YEARS STATED.

SUMMARY BY YEARS OF INSURANCE.

Years of Insurance.	1849-1864.		1865-1869.		1870-1877.		1849-1877.		Years of Insurance.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
1	10.88	9.65	13.08	11.52	15.49	13.01	13.86	11.95	1
2	2.29	1.65	11.22	11.27	14.94	14.45	12.28	12.08	2
3	5.51	9.32	8.64	8.74	12.02	11.63	9.59	9.53	3
4	7.56	7.83	8.67	8.88	10.76	10.78	9.22	9.34	4
5	4.59	5.58	5.61	5.41	7.88	8.29	6.15	6.06	5
6	2.94	2.03	4.34	4.47	7.01	6.72	4.91	4.89	6
7			4.62	4.76	7.88	8.07	5.18	5.26	7
8	1.04	.43	4.53	4.63	7.67	7.54	4.88	4.89	8
9			5.75	6.49			5.61	6.37	9
10	2.33	3.27	4.84	4.42			4.77	4.39	10
11	3.61	5.09	4.31	3.99			4.28	4.03	11
12	4.05	5.72	4.86	5.12			4.80	5.16	12
13	1.67	1.83	5.04	4.26			4.36	3.81	13
14-29	.83	.93					.83	.93	14-29
All,	3.74	4.19	7.68	7.53	12.00	11.28	8.60	8.26	All.

SUMMARY BY AGES AT ISSUE.

Ages at Issue.	1849-1864.		1865-1869.		1870-1877.		1849-1877.		Ages at Issue.
	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	Policies.	Amount.	
7-25	6.45	9.39	10.63	10.80	13.71	13.57	11.52	11.51	7-25
26-35	4.15	4.11	8.07	8.17	11.94	10.94	8.92	8.75	26-35
36-45	1.93	2.44	6.12	6.10	10.08	9.78	6.75	6.66	36-45
46-55	5.15	5.86	4.86	5.17	11.37	11.47	5.78	6.00	46-55
56 and Over.			5.32	4.65	8.33	10.88	6.08	5.61	56 and Over.
All,	3.74	4.19	7.68	7.53	12.00	11.28	8.60	8.26	All.

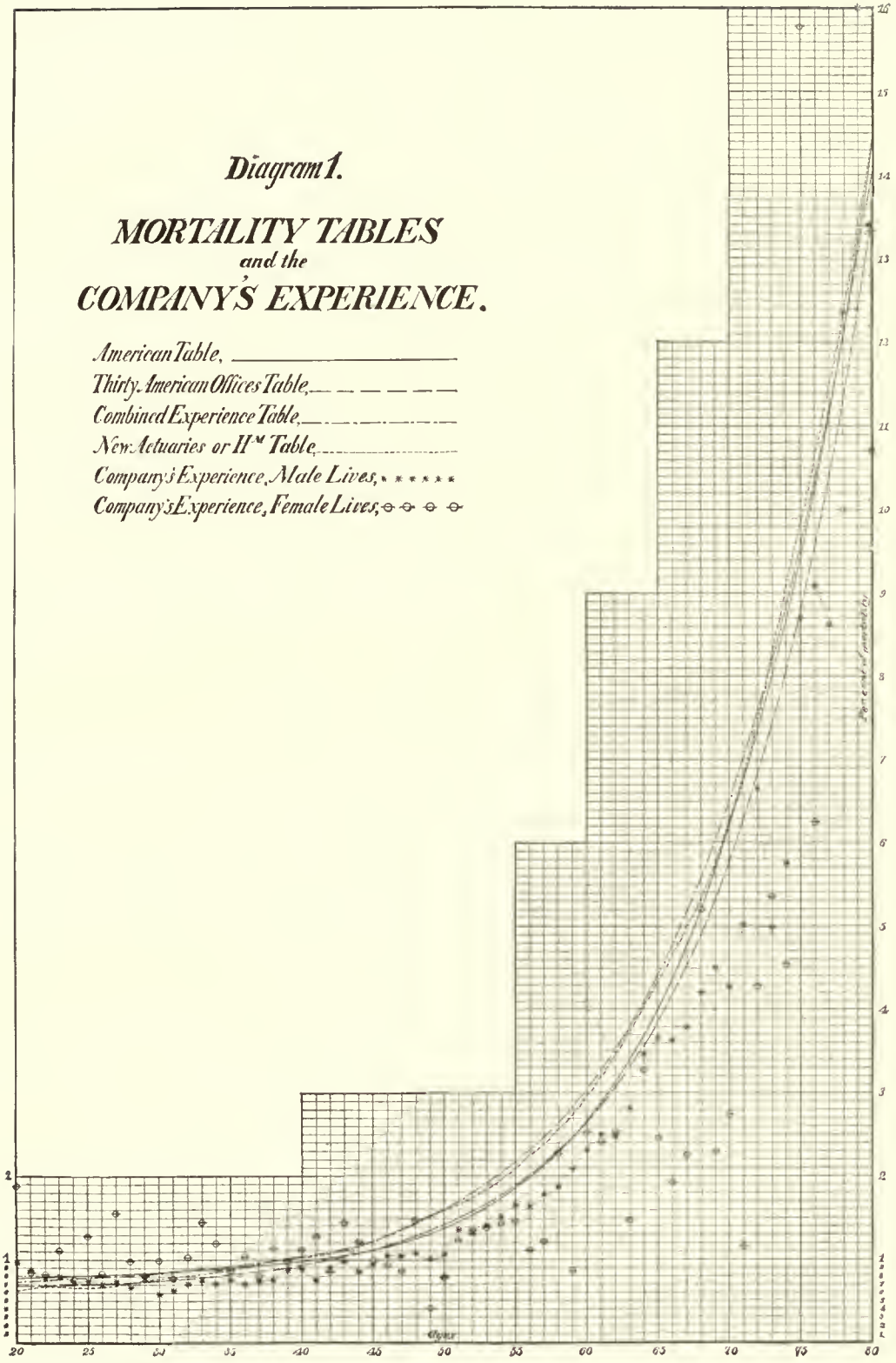
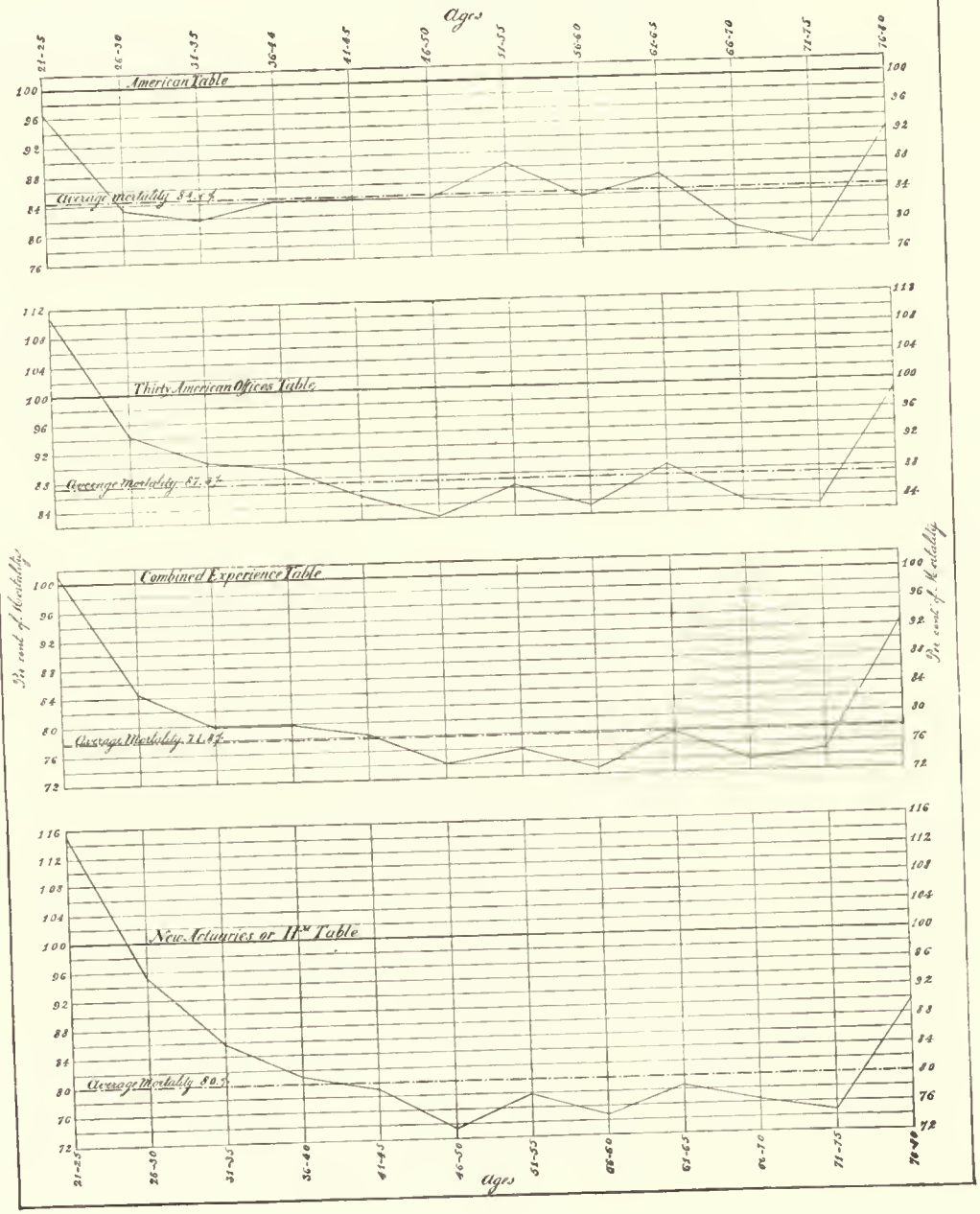


Diagram 1.
MORTALITY TABLES
and the
COMPANY'S EXPERIENCE.
American Table,
Thirty American Offices Table,
Combined Experience Table,
New Actuaries or H^M Table,
Company's Experience, Male Lives,
Company's Experience, Female Lives,
Rate of Mortality per cent.
Ages
20
25
30
35
40
45
50
55
60
65
70
75
80

Diagram II.

The COMPANY'S EXPERIENCE
Compared with
STANDARD MORTALITY TABLES.

Male lives by five years of age.



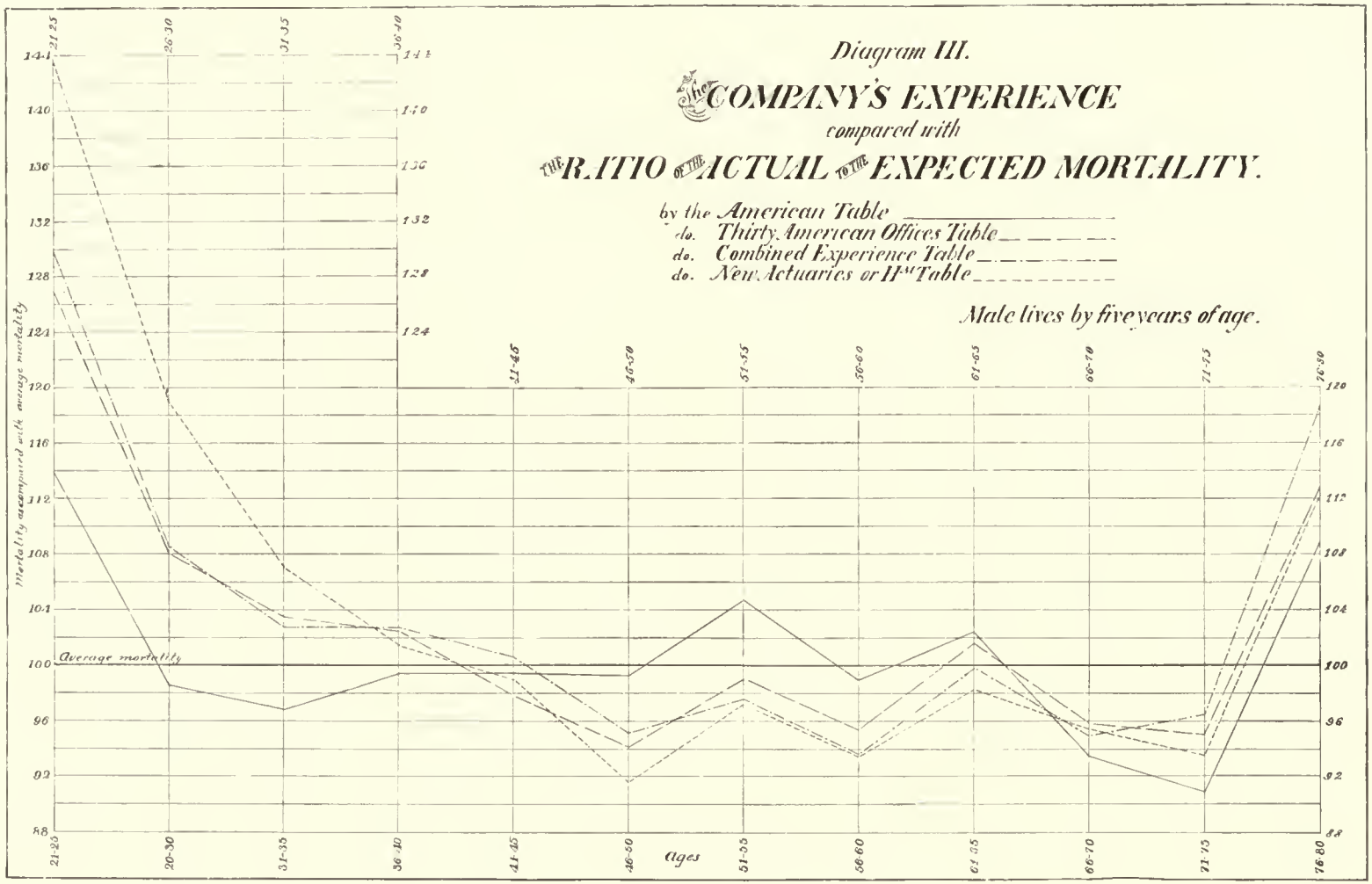


Diagram III.
The COMPANY'S EXPERIENCE
compared with
THE RATIO OF THE ACTUAL TO THE EXPECTED MORTALITY.
by the American Table
do. Thirty American Offices Table
do. Combined Experience Table
do. New Actuaries or IIm Table
Male lives by five years of age.
Mortality as compared with average mortality
Average mortality
Ages
21-25
26-30
31-35
36-40
41-45
46-50
51-55
56-60
61-65
66-70
71-75
76-80

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